



伸勇集團 威育科技股份有限公司

AMODE TECH.LTD.



车载电感系列目录 (2026 年)



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Catalog of Products

SMD Type	Model	P/N	Size (mm)	Inductance(μ H) / Impedance(Ω)	Page
Ferrite Chip Beads		AFCM1005□V	1005	30-1000 Ω	6
		AFCM1608□V	1608	10-2000 Ω	7
		AFCM2012□V	2012	7-2000 Ω	8
		AFCM3216KV	3216	26-600 Ω	10
		AHCB1005□V	1005	10-220 Ω	11
		AHCB1608□V	1608	26-1000 Ω	12
		AHCB2012KV	2012	22-1000 Ω	13
		AHCB3216KV	3216	30-600 Ω	14
		AHCB4516KV	4516	60-80 Ω	15
		AHCB4532□V	4532	80-1300 Ω	16
		AFCA3216□V4	3216	30-1000 Ω	17
Common Mode Chokes		AWCM2012F2SV	2012	67-1000 Ω	18
		AWCM3216FV	3216	90-2200 Ω	19
		AWCM3225FV	3225	90-1000 Ω	20
		AWCM4532FV	4532	90-2800 Ω	21
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		AHSF1210FV	1210	35-90 Ω	23
		AHSF2012FV	2012	50-90 Ω	24
		ADCM321620FV	3216	60 μ H	25
		ADCM3532FV	3532	75 μ H	26
		AACM3225FV	3225	11-100 μ H	27
		AACM4532FNV	4532	11-100 μ H	28
		AACM4532FWV	4532	200 μ H	29
Balun		ABCM2012FV	2012	75 Ω	30

Catalog of Products

Applications	Model	P/N	Size (mm)	Inductance (uH/nH)	Page
Inductors for General Use		AFCI1005V	1005	0.22-2.2uH	<u>31</u>
		AFCI1608V	1608	0.047-10uH	<u>32</u>
		AFCI2012V	2012	0.047-10uH	<u>34</u>
		AFCI3216V	3216	0.047-10uH	<u>36</u>
		ASWF1608LV	1608	0.047-10uH	<u>38</u>
		ASWF1608CV	1608	0.047-10uH	<u>40</u>
		ASWF2012CV	2012	0.47-33uH	<u>42</u>
		ASWF2520CV	2520	1-33uH	<u>44</u>
		ASWF3225CV	3225	1-680uH	<u>45</u>
Ceramic High Freq. Inductors		ASWI0603V	0603	0.002-0.39uH	<u>47</u>
		ASWI0805UV	0805	0.0028-1.2uH	<u>49</u>
		ASWI1008UV	1008	0.01-10uH	<u>51</u>

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Description	Model	P/N	Size (mm)	Inductance (uH)	Page
Power Inductors		ACDNR201610BMTV	201610	0.24-22uH	53
		ACDNR201610AMTV	201610	0.47-10uH	54
		ACDNR201612BMTV	201612	0.33-22uH	55
		ACDNR201612AMTV	201612	0.47-4.7uH	56
		ACDNR252008BMTV	252008	0.47-22uH	57
		ACDNR252010BMTV	252010	0.47-22uH	58
		ACDNR252010AMTV	252010	0.24-4.7uH	59
		ACDNR252012BMTV	252012	0.22-22uH	60
		ACDNR252012AMTV	252012	0.24-10uH	61
		ACDNR322512BMTV	322512	0.33-22uH	62
		ACDNR3010PHV	3010	1-47uH	63
		ACDNR3012PHV	3012	1-68uH	64
		ACDNR3012AMTV	3012	0.3-4.7uH	65
		ACDNR3015PHV	3015	1-68uH	66
		ACDNR3015AMTV	3015	0.47-10uH	67
		ACDNR4010BMTV	4010	1-22uH	68
		ACDNR4012PHV	4012	1-22uH	69
		ACDNR4018PHV	4018	1-47uH	70
		ACDNR4020BMTV	4020	1-100uH	71
		ACDNR4020AMTV	4020	0.22-10uH	73
		ACDNR4030PHV	4030	1-220uH	74
		ACDNR5010LPNV	5010	1-22uH	75
		ACDNR5012LPNV	5012	1-15uH	76
		ACDNR5020PHV	5020	1-47uH	77
		ACDNR5030LPNV	5030	0.47-100uH	78
		ACDNR5040PHV	5040	1-100uH	79
		ACDNR6010LPNV	6010	1.5-22uH	80
		ACDNR6012LPNV	6012	1-100uH	81
		ACDNR6020PHV	6020	1-22uH	83
		ACDNR6028PHV	6028	1-100uH	84
		ACDNR6045PHV	6045	1-330uH	85
		ACDNR8040PHV	8040	1-220uH	86

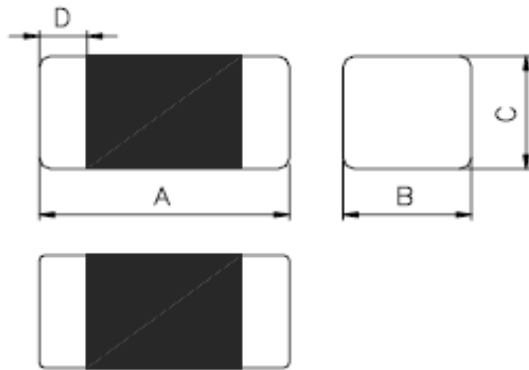
Catalog of Products

Description	Type	P/N	Size (mm)	Inductance (uH)	Page
Power Inductors	  	ACDMR100505HCV	100505	0.47uH	87
		ACDMR100506HCV	100506	0.47-1uH	88
		ACDMR1412065HCV	1412065	0.1-0.47uH	89
		ACDMR141208HCV	141208	0.1-4.7uH	90
		ACDMR1608065HCV	1608065	0.22-2.2uH	91
		ACDMR160808HCV	160808	0.18-10uH	92
		ACDMR2012065HCV	2012065	0.15-10uH	93
		ACDMR201208HCV	201208	0.11-10uH	94
		ACDMR201210HCV	201210	0.1-10uH	95
		ACDMR201608HCV	201608	0.22-10uH	96
		ACDMR201610HCV	201610	0.1-10uH	97
		ACDMR201612HCV	201612	0.1-10uH	98
		ACDMR252008HCV	252008	0.47-10uH	99
		ACDMR252010HCV	252010	0.22-22uH	100
		ACDMR252012HCV	252012	0.1-10uH	101
		ACDMR0310FHCV	0310	1-10uH	102
		ACDMR0312TV	0312	0.47-10uH	103
		ACDMR0312FHCV	0312	0.1-15uH	104
		ACDMR0315THV	0315	0.22-10uH	105
		ACDMR0315FHCV	0315	0.15-22uH	106
		ACDMR0320THV	0320	0.1-10uH	107
		ACDMR0320FHC	0320	0.1-15uH	108
		ACDMR0410HCV	0410	1-10uH	109
		ACDMR0412THPV	0412	0.1-22uH	110
		ACDMR0412HCV	0412	0.47-22uH	112
		ACDMR0415THPV	0415	0.22-10uH	113
		ACDMR0420SV	0420	0.1-10uH	114
		ACDMR0420HCV	0420	0.47-22uH	115
		ACDMR0420UHV	0420	0.1-2.2uH	116
		ACDMR0430HCV	0430	0.33-47uH	117
		ACDMR0430UHV	0430	0.33-6.8uH	118

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Description	Type	P/N	Size (mm)	Inductance (uH)	Page
Power Inductors	 	ACDMR0512THPV	0512	0.1-15uH	119
		ACDMR0515THPV	0515	0.15-22uH	121
		ACDMR0518SV	0518	0.47-10uH	122
		ACDMR0520UHV	0520	0.15-1.5uH	123
		ACDMR0530SV	0530	0.1-10uH	124
		ACDMR0530UHV	0530	0.15-4.7uH	125
		ACDMR0550UHV	0550	5.6-10uH	126
		ACDMR0630UHV	0630	0.18-4.7uH	127
		ACDMR0650UHV	0650	0.82-8.2uH	128
		ACDMR0660UHV	0660	4.7-22uH	129
		ACDMR0715SV	0715	0.47-10uH	130
		ACDMR0718TV	0718	0.1-10uH	131
		ACDMR0720TV	0720	0.1-22uH	132
		ACDMR0724SV	0724	0.22-22uH	134
		ACDMR0730SV	0730	0.1-47uH	135
		ACDMR0730UHV	0730	1-8.2uH	136
		ACDMR0740SV	0740	0.68-47uH	137
		ACDMR0750SV	0750	0.47-47uH	138
		ACDMR0770UHV	0770	3.3-6.8uH	139
		ACDMR0840SV	0840	0.22-47uH	140
		ACDMR1030SV	1030	0.22-33uH	141
		ACDMR1040SV	1040	0.15-100uH	142
		ACDMR1050SV	1050	0.22-100uH	143
		ACDMR1060UHV	1060	0.18-4.7uH	144
		ACDMR1010UHV	1010	1-15uH	145
		ACDMR1340SV	1340	0.22-22uH	146
		ACDMR1350SV	1350	0.22-47uH	147
		ACDMR1360SV	1360	1.5-150uH	148
		ACDMR1365SV	1365	4.7-100uH	149
		ACDMR1580UHV	1580	2-8.2uH	150
		ACDMR1510UHV	1510	4.7-33uH	151
		ACDMR1770SV	1770	2.2-100uH	152

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.00	± 0.20
B	0.50	± 0.20
C	0.50	± 0.20
D	0.25	± 0.10

II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AFCM1005KV-300T03	30±25%	100	300	0.2
AFCM1005KV-600T03	60±25%	100	300	0.25
AFCM1005KV-121T01	120±25%	100	100	0.3
AFCM1005KV-151T01	150±25%	100	100	0.3
AFCM1005KV-221T01	220±25%	100	100	0.4
AFCM1005KV-301T01	300±25%	100	100	0.5
AFCM1005KV-471T01	470±25%	100	100	0.65
AFCM1005KV-601T00	600±25%	100	80	0.8
AFCM1005KV-102T00	1000±25%	100	50	1.2
AFCM1005MV-600T01	60±25%	100	100	0.3
AFCM1005MV-121T00	120±25%	100	80	0.45
AFCM1005MV-221T00	220±25%	100	50	0.6
AFCM1005MV-301T00	300±25%	100	50	0.75

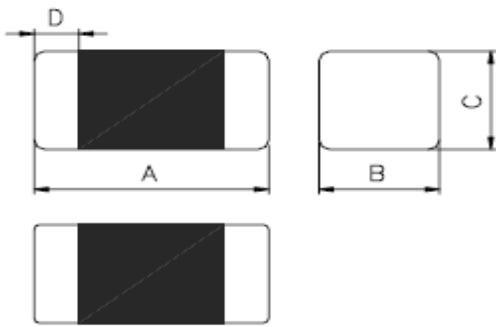
1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

AFCM1608□V SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.60	± 0.25
B	0.80	± 0.25
C	0.80	± 0.25
D	0.30	± 0.20

II.ELECTRICAL CHARACTERISTICS

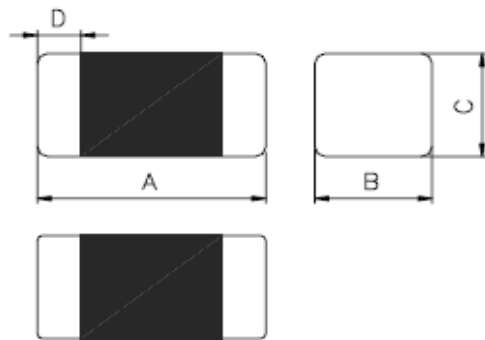
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AFCM1608KV-300T07	30±25%	100	700	0.2
AFCM1608KV-600T07	60±25%	100	700	0.2
AFCM1608KV-121T06	120±25%	100	600	0.25
AFCM1608KV-151T06	150±25%	100	600	0.25
AFCM1608KV-221T05	220±25%	100	550	0.3
AFCM1608KV-301T05	300±25%	100	500	0.35
AFCM1608KV-471T03	470±25%	100	350	0.45
AFCM1608KV-601T03	600±25%	100	350	0.5
AFCM1608KV-102T02	1000±25%	100	200	0.7
AFCM1608HV-152T02	1500±25%	100	200	1
AFCM1608HV-202T01	2000±25%	100	150	1.2
AFCM1608CV-100T07	10±25%	100	700	0.2
AFCM1608CV-300T06	30±25%	100	600	0.25
AFCM1608CV-600T06	60±25%	100	600	0.3
AFCM1608CV-121T03	120±25%	100	300	0.4
AFCM1608CV-151T03	150±25%	100	300	0.4
AFCM1608CV-221T02	220±25%	100	250	0.6
AFCM1608CV-301T02	300±25%	100	200	0.8
AFCM1608CV-471T02	470±25%	100	200	0.85
AFCM1608CV-601T01	600±25%	100	150	1.2
AFCM1608CV-102T00	1000±25%	100	80	1.5

1.Comply with AEC-Q200

2.Operating Temp:-55~+150°C

3.Storage Temp:-55~+150°C(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	±0.30
B	1.25	±0.30
C	0.85	±0.30
	1.25	±0.30
D	0.50	±0.30

II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max	Height (mm) Max
AFCM2012KV-110T09	11±25%	100	900	0.1	0.85±0.2
AFCM2012KV-170T06	17±25%	100	600	0.1	0.85±0.2
AFCM2012KV-260T06	26±25%	100	600	0.1	0.85±0.2
AFCM2012KV-300T06	30±25%	100	600	0.1	0.85±0.2
AFCM2012KV-400T06	40±25%	100	600	0.1	0.85±0.2
AFCM2012KV-600T09	60±25%	100	900	0.1	0.85±0.2
AFCM2012KV-121T08	120±25%	100	800	0.2	0.85±0.2
AFCM2012KV-151T08	150±25%	100	800	0.2	0.85±0.2
AFCM2012KV-221T07	220±25%	100	750	0.3	0.85±0.2
AFCM2012KV-301T07	300±25%	100	700	0.3	0.85±0.2
AFCM2012KV-471T07	470±25%	100	700	0.35	0.85±0.2
AFCM2012KV-601T05	600±25%	100	500	0.4	0.85±0.2
AFCM2012KV-102T04	1000±25%	100	400	0.45	0.85±0.2
AFCM2012HV-102T04	1000±25%	100	400	0.45	0.85±0.2



AFCM2012□□V SERIES

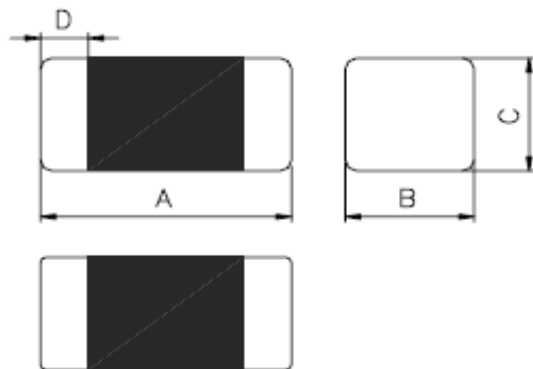
AFCM2012HV-152T03	1500±25%	100	350	0.5	0.85±0.2
AFCM2012HV-202T02	2000±25%	100	250	0.6	0.85±0.2
AFCM2012NV-070T06	7±25%	100	600	0.1	0.85±0.2
AFCM2012CV-300T07	30±25%	100	700	0.2	0.85±0.2
AFCM2012CV-600T07	60±25%	100	700	0.2	0.85±0.2
AFCM2012CV-121T06	120±25%	100	600	0.25	0.85±0.2
AFCM2012CV-151T06	150±25%	100	600	0.25	0.85±0.2
AFCM2012CV-221T04	220±25%	100	400	0.3	0.85±0.2
AFCM2012CV-301T04	300±25%	100	400	0.35	0.85±0.2
AFCM2012CV-471T04	470±25%	100	400	0.4	1.25±0.2
AFCM2012CV-601T03	600±25%	100	300	0.45	1.25±0.2
AFCM2012CV-102T02	1000±25%	100	200	0.5	1.25±0.2

1. Comply with AEC-Q200

2. Operating Temp: -55~+150℃

3. Storage Temp: -55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	1.10	± 0.3
D	0.50	± 0.3

II.ELECTRICAL CHARACTERISTICS

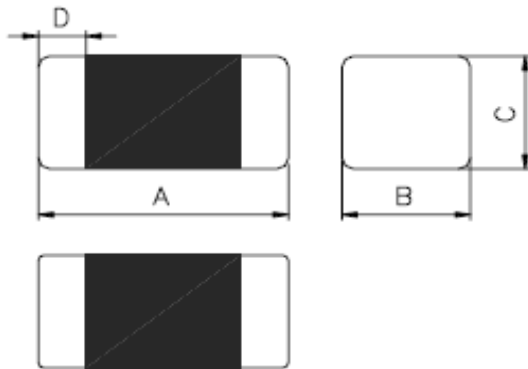
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AFCM3216KV-260T05	26±25%	100	500	0.2
AFCM3216KV-310T05	31±25%	100	500	0.2
AFCM3216KV-420T05	42±25%	100	500	0.2
AFCM3216KV-500T05	50±25%	100	500	0.2
AFCM3216KV-700T05	70±25%	100	500	0.2
AFCM3216KV-900T05	90±25%	100	500	0.2
AFCM3216KV-121T09	120±25%	100	900	0.15
AFCM3216KV-151T09	150±25%	100	900	0.15
AFCM3216KV-201T06	200±25%	100	600	0.35
AFCM3216KV-221T07	220±25%	100	700	0.35
AFCM3216KV-301T07	300±25%	100	700	0.35
AFCM3216KV-471T04	470±25%	100	400	0.35
AFCM3216KV-601T04	600±25%	100	400	0.4

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.00	± 0.20
B	0.50	± 0.20
C	0.50	± 0.20
D	0.25	± 0.10

II.ELECTRICAL CHARACTERISTICS

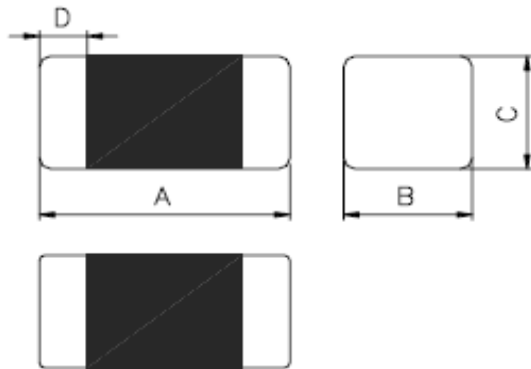
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AHCB1005MV-100T25	10±25%	100	2500	0.05
AHCB1005KV-121T20	120±25%	100	2000	0.095
AHCB1005KV-221T15	220±25%	100	1500	0.15
AHCB1005PV-330T30	33±25%	100	3000	0.022
AHCB1005PV-600T25	60±25%	100	2500	0.032
AHCB1005PV-800T23	80±25%	100	2300	0.038

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.60	± 0.25
B	0.80	± 0.25
C	0.8±0.25/0.6±0.25	
D	0.30	± 0.2

II.ELECTRICAL CHARACTERISTICS

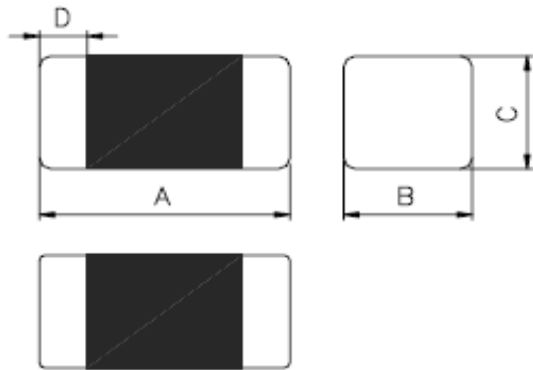
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max	Height (mm) Max
AHCB1606ZV-260T60	26±25%	100	6000	0.01	0.75
AHCB1608KV-300T30	30±25%	100	3000	0.04	0.95
AHCB1608KV-300T50	30±25%	100	5000	0.02	0.95
AHCB1608KV-600T40	60±25%	100	4000	0.03	0.95
AHCB1608KV-800T30	80±25%	100	3000	0.04	0.95
AHCB1608KV-121T20	120±25%	100	2000	0.1	0.95
AHCB1608KV-121T30	120±25%	100	3000	0.04	0.95
AHCB1608KV-151T20	150±25%	100	2000	0.1	0.95
AHCB1608KV-221T20	220±25%	100	2000	0.1	0.95
AHCB1608KV-301T10	300±25%	100	1000	0.2	0.95
AHCB1608KV-301T20	300±25%	100	2000	0.1	0.95
AHCB1608KV-471T10	470±25%	100	1000	0.2	0.95
AHCB1608KV-601T10	600±25%	100	1000	0.2	0.95
AHCB1608KV-601T20	600±25%	100	2000	0.1	0.95
AHCB1608KV-102T10	1000±25%	100	1000	0.2	0.95

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.30
B	1.25	± 0.30
C	0.85	± 0.30
D	0.50	± 0.30

II.ELECTRICAL CHARACTERISTICS

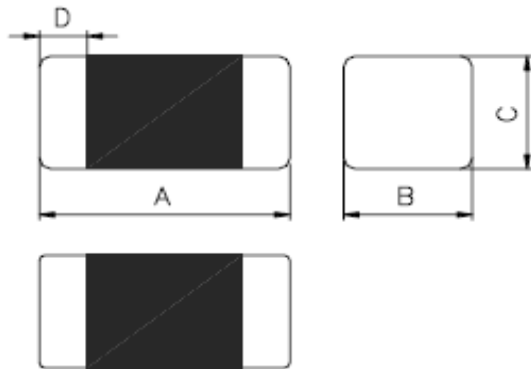
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AHCB2012KV-220T60	22±25%	100	6000	0.01
AHCB2012KV-300T30	30±25%	100	3000	0.04
AHCB2012KV-300T60	30±25%	100	6000	0.01
AHCB2012KV-800T30	80±25%	100	3000	0.04
AHCB2012KV-121T30	120±25%	100	3000	0.04
AHCB2012KV-151T20	150±25%	100	2000	0.1
AHCB2012KV-221T20	220±25%	100	2000	0.1
AHCB2012KV-221T30	220±25%	100	3000	0.04
AHCB2012KV-301T10	300±25%	100	1000	0.2
AHCB2012KV-301T30	300±25%	100	3000	0.04
AHCB2012KV-471T10	470±25%	100	1000	0.2
AHCB2012KV-601T10	600±25%	100	1000	0.2
AHCB2012KV-601T20	600±25%	100	2000	0.1
AHCB2012KV-102T10	1000±25%	100	1000	0.2

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	1.10	± 0.3
D	0.50	± 0.3

II.ELECTRICAL CHARACTERISTICS

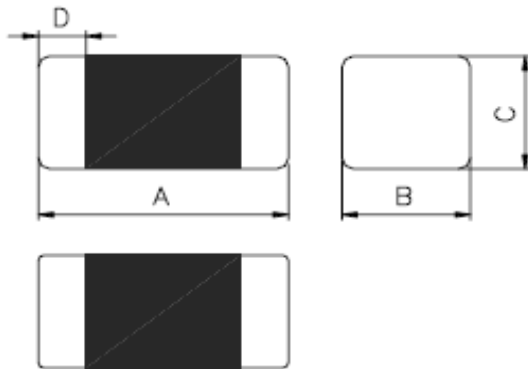
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AHCB3216KV-300T30	30±25%	100	3000	0.04
AHCB3216KV-500T30	50±25%	100	3000	0.04
AHCB3216KV-800T30	80±25%	100	3000	0.04
AHCB3216KV-121T20	120±25%	100	2000	0.1
AHCB3216KV-151T20	150±25%	100	2000	0.1
AHCB3216KV-301T10	300±25%	100	1000	0.2
AHCB3216KV-471T10	470±25%	100	1000	0.2
AHCB3216KV-501T30	500±25%	100	3000	0.04
AHCB3216KV-601T20	600±25%	100	2000	0.1

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.50	± 0.3
B	1.60	± 0.3
C	1.60	± 0.3
D	0.50	± 0.3

II.ELECTRICAL CHARACTERISTICS

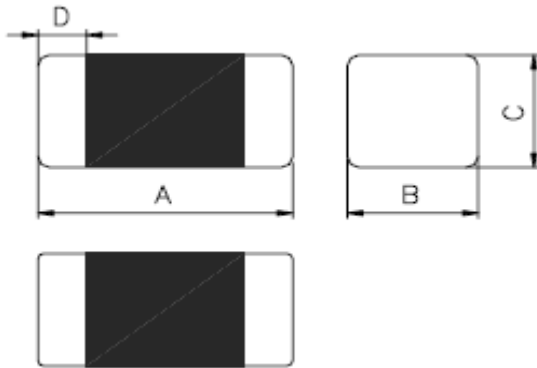
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AHCB4516KV-600T60	60±25%	100	6000	0.01
AHCB4516KV-800T30	80±25%	100	3000	0.04

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.50	± 0.3
B	3.20	± 0.3
C	1.50	± 0.3
D	0.50	± 0.3



II.ELECTRICAL CHARACTERISTICS

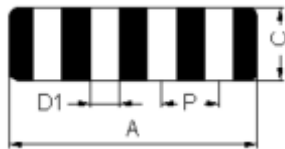
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AHCB4532KV-800T60	80±25%	100	6000	0.01
AHCB4532KV-121T50	120±25%	100	5000	0.02
AHCB4532KV-131T30	130±25%	100	3000	0.04
AHCB4532KV-151T50	150±25%	100	5000	0.02
AHCB4532MV-681T40	680±25%	100	4000	0.03
AHCB4532MV-132T30	1300±25%	100	3000	0.06

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	0.90	± 0.3
D1	0.40	± 0.15
D2	0.30	± 0.1
P	0.80	± 0.1

II.ELECTRICAL CHARACTERISTICS

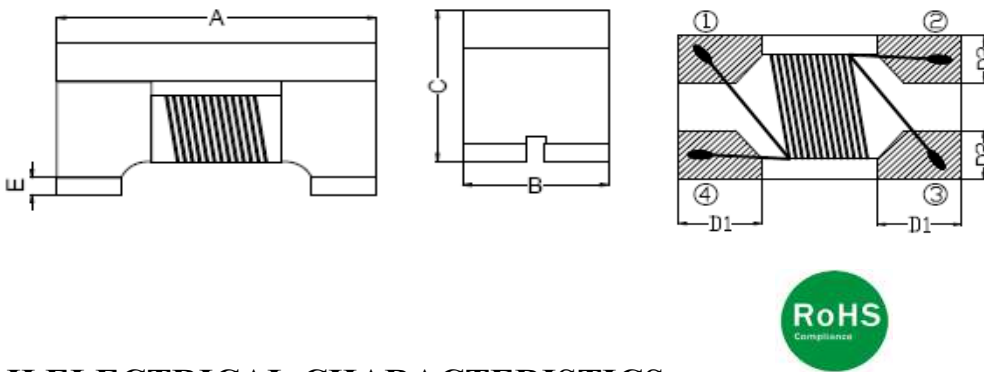
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AFCA3216KV4-300T05	30±25%	100	500	0.2
AFCA3216KV4-600T04	60±25%	100	400	0.25
AFCA3216KV4-121T03	120±25%	100	350	0.3
AFCA3216KV4-301T02	300±25%	100	250	0.4
AFCA3216KV4-601T02	600±25%	100	200	0.5
AFCA3216KV4-102T01	1000±25%	100	150	0.75

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.3
B	1.20	± 0.3
C	1.40	Max
D1	0.50	± 0.1
D2	0.51	± 0.1
E	0.15	± 0.1

II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AWCM2012F2SV-670T04	67±25%	100	400	0.25	50	125	10M
AWCM2012F2SV-900T04	90±25%	100	400	0.3	50	125	10M
AWCM2012F2SV-121T04	120±25%	100	400	0.3	50	125	10M
AWCM2012F2SV-161T03	160±25%	100	350	0.35	50	125	10M
AWCM2012F2SV-181T03	180±25%	100	350	0.35	50	125	10M
AWCM2012F2SV-201T03	200±25%	100	300	0.4	50	125	10M
AWCM2012F2SV-221T03	220±25%	100	300	0.4	50	125	10M
AWCM2012F2SV-261T03	260±25%	100	300	0.4	50	125	10M
AWCM2012F2SV-361T03	360±25%	100	300	0.5	50	125	10M
AWCM2012F2SV-601T03	600±25%	100	300	0.88	50	125	10M
AWCM2012F2SV-102T01	1000±25%	100	100	1.3	50	125	10M

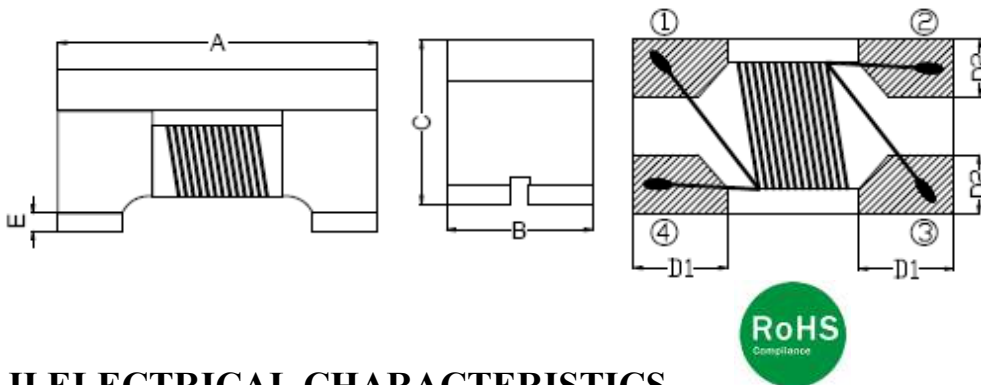
1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

AWCM3216FV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	2.20	Max
D1	0.50	± 0.1
D2	0.50	± 0.1
E	0.15	± 0.1

II.ELECTRICAL CHARACTERISTICS

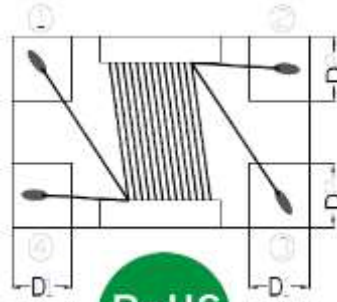
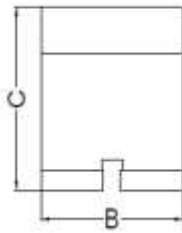
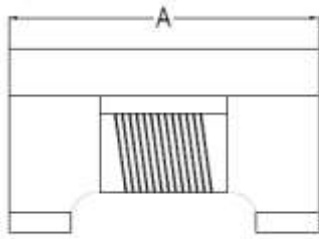
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt (Vdc) Max	IR (Ω) Min
AWCM3216FV-900T04	90±25%	100	400	0.3	50	125	10M
AWCM3216FV-121T03	120±25%	100	350	0.3	50	125	10M
AWCM3216FV-161T03	160±25%	100	350	0.4	50	125	10M
AWCM3216FV-221T03	220±25%	100	300	0.45	50	125	10M
AWCM3216FV-261T03	260±25%	100	300	0.5	50	125	10M
AWCM3216FV-361T03	360±25%	100	300	0.6	50	125	10M
AWCM3216FV-601T03	600±25%	100	300	0.8	50	125	10M
AWCM3216FV-102T02	1000±25%	100	230	1	50	125	10M
AWCM3216FV-222T02	2200±25%	100	200	1.2	50	125	10M

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	± 0.3
B	2.50	± 0.3
C	2.40	Max
D1	0.80	± 0.1
D2	0.90	± 0.1

II.ELECTRICAL CHARACTERISTICS

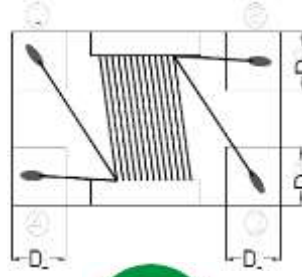
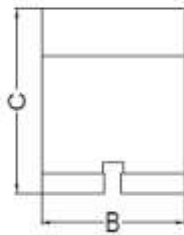
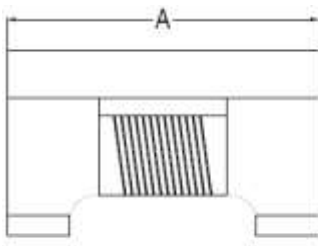
Parts Number	Common mode Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt. (Vdc) Max	IR (Ω) Min
AWCM3225FV-900T10	90±25%	100	1000	0.05	50	125	10M
AWCM3225FV-601T10	600±25%	100	1000	0.2	50	125	10M
AWCM3225FV-102T04	1000±25%	100	400	0.3	50	125	10M

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.50	± 0.3
B	3.20	± 0.3
C	3.00	Max
D1	0.90	± 0.1
D2	1.05	± 0.1



II.ELECTRICAL CHARACTERISTICS

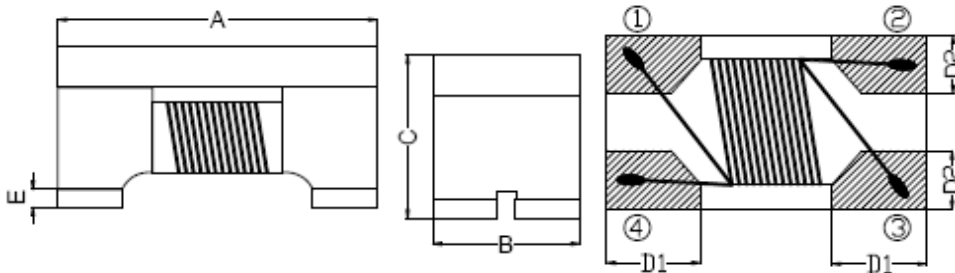
Parts Number	Impedance (Ω)		Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt.(Vdc) Max	IR (Ω) Min
AWCM4532FV-900T40	68min	90typ	100	4000	0.05	50	125	10M
AWCM4532FV-231T35	173min	230typ	100	3500	0.05	50	125	10M
AWCM4532FV-421T32	300min	420typ	100	3200	0.055	50	125	10M
AWCM4532FV-601T25	450min	600typ	100	2500	0.06	50	125	10M
AWCM4532FV-901T23	650min	900typ	100	2300	0.07	50	125	10M
AWCM4532FV-141T20	1000min	1400typ	100	2000	0.1	50	125	10M
AWCM4532FV-282T09	2100min	2800typ	100	900	0.35	50	125	10M

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.3
B	1.20	± 0.3
C	1.40	Max
D1	0.50	± 0.1
D2	0.51	± 0.1
E	0.15	± 0.1



II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)		Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt(Vdc) Max	IR (Ω) Min
AHDMI2012FV-670T04	50 min.	67 typ.	100	400	0.3	50	125	10M
AHDMI2012FV-900T04	65 min.	90 typ.	100	400	0.3	50	125	10M

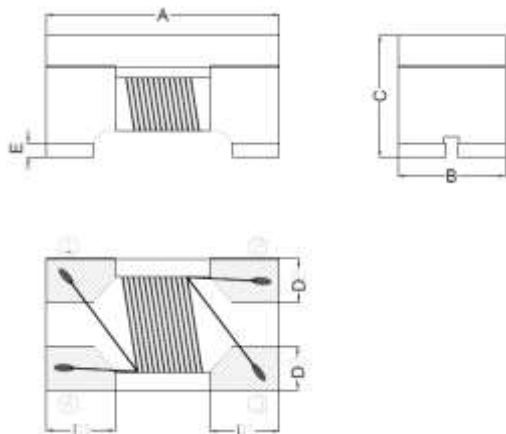
1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

AHSF1210FV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.20	± 0.3
B	1.00	± 0.3
C	0.90	Max
D1	0.35	± 0.1
D2	0.35	± 0.1
E	0.03	Min

II.ELECTRICAL CHARACTERISTICS

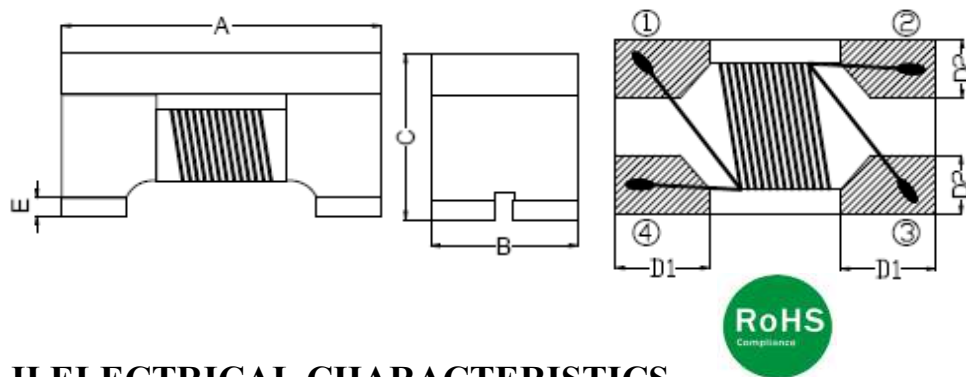
Parts Number	Common mode Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt.(Vdc) Max	IR (Ω) Min
AHSF1210FV-350T02	35±25%	100	200	0.3	50	125	10M
AHSF1210FV-500T02	50±25%	100	250	0.3	50	125	10M
AHSF1210FV-600T02	60±25%	100	250	0.3	50	125	10M
AHSF1210FV-900T02	90±25%	100	250	0.4	50	125	10M

1.Comply with AEC-Q200

2.Operating Temp:-40~+125℃

3.Storage Temp:-40~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.3
B	1.20	± 0.3
C	1.40	Max
D1	0.50	± 0.1
D2	0.51	± 0.1
E	0.15	± 0.1

II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt(Vdc) Max	IR (Ω) Min
AHSF2012FV-500T04	50±25%	100	400	0.25	50	125	10M
AHSF2012FV-670T04	67±25%	100	400	0.3	50	125	10M
AHSF2012FV-900T04	90±25%	100	400	0.3	50	125	10M

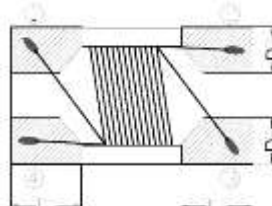
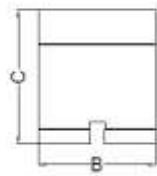
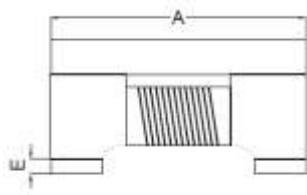
1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

ADCM321620FV-600T02

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.40	± 0.3
B	1.60	± 0.3
C	2.20	Max
D1	0.64	± 0.1
D2	0.66	± 0.1

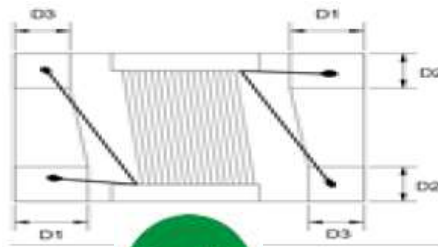
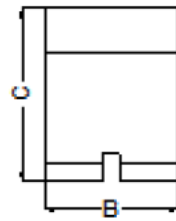
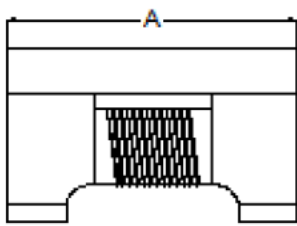
II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH) [100KHz/0.1V] Min	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt.(Vdc) Max	IR (Ω) Min
ADCM321620FV-600T02	60	200	1.7	50	125	10M

- 1.Comply with AEC-Q200
- 2.Operating Temp:-40~+85℃
- 3.Storage Temp:-40~+85℃(on board)

ADCM3532FV-750T03

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.50	± 0.3
B	3.20	± 0.3
C	2.50	Max
D1	0.63	± 0.1
D2	1.18	± 0.1

II.ELECTRICAL CHARACTERISTICS

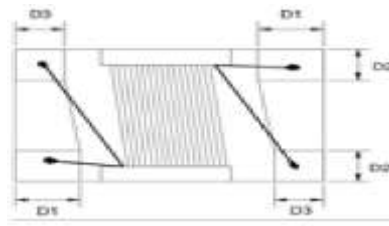
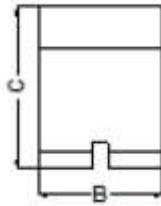
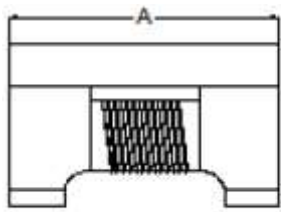
Parts Number	Inductance (uH) [100kHz/0.1V] Min	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt.(Vdc) Max	IR (Ω) Min
ADCM3532FV-750T03	75	300	0.8	50	125	10M

- 1.Comply with AEC-Q200
- 2.Operating Temp:-55~+125℃
- 3.Storage Temp:-55~+125℃(on board)



AACM3225FV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	±0.3
B	2.50	±0.3
C	2.50	Max
D1	0.70	± 0.1
D2	0.90	± 0.1
D3	0.60	± 0.1



II.ELECTRICAL CHARACTERISTICS

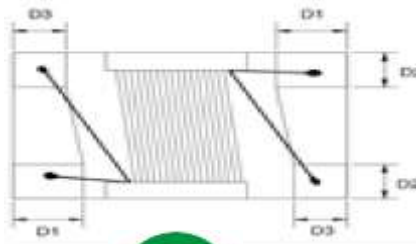
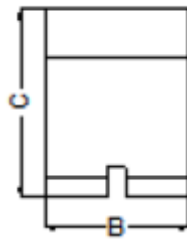
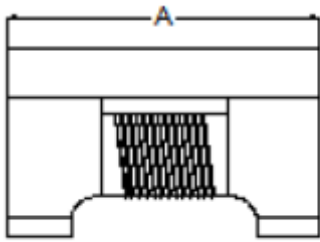
Parts Number	Inductance (uH)+50/-30% [100kHz/0.1V]	Rated Current (mA) Max	DCR (Ω) Max	Rated voltage (Vdc) Max	IR (mΩ) Min
AACM3225FV-110T03	11	300	0.4	80	10
AACM3225FV-220T02	22	250	0.5	80	10
AACM3225FV-510T02	51	200	0.7	80	10
AACM3225FV-101T01	100	150	1.5	80	10

1.Comply with AEC-Q200

2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.50	± 0.3
B	3.20	± 0.3
C	2.95	Max
D1	0.80	± 0.2
D2	0.85	± 0.2
D3	0.60	± 0.2

II.ELECTRICAL CHARACTERISTICS

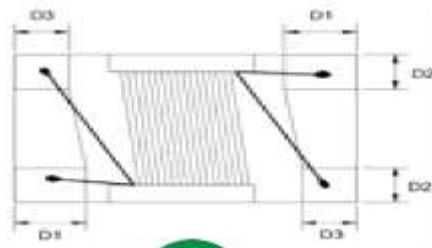
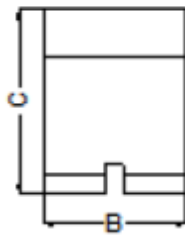
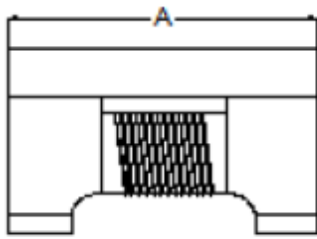
Parts Number	Common mode Impedance (Ω) [10MHz]		Common mode Inductance (uH)+50/-30% [100KHz]	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	IR (Ω) Min
ACM4532FNV-110T03	300min	600typ	11	360	0.6	50	10
ACM4532FNV-220T03	500min	1200typ	22	310	1	50	10
ACM4532FNV-510T02	1000min	2800typ	51	230	1	50	10
ACM4532FNV-101T02	2000min	5800typ	100	200	2	50	10

1. Comply with AEC-Q200

2. Operating Temp: -55~+150℃

3. Storage Temp: -55~+150℃ (on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.50	± 0.3
B	3.20	± 0.3
C	2.95	Max
D1	0.80	± 0.2
D2	0.85	± 0.2
D3	0.60	± 0.2

II.ELECTRICAL CHARACTERISTICS

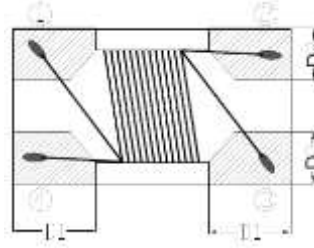
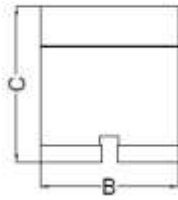
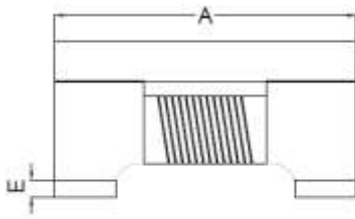
Parts Number	Common mode Impedance (Ω) [10MHz]		Common mode Inductance (μ H)+50/-30% [100KHz]	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	IR (Ω) Min
AACM4532FWV-201T01	-	-	200(+60/-20 μ H)	100	4.5	50	10

1.Comply with AEC-Q200

2.Operating Temp:-55~+125°C

3.Storage Temp:-55~+150°C(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	±0.30
B	1.20	±0.30
C	1.40	Max
D1	0.50	±0.10
D2	0.51	±0.10
E	0.15	±0.10



II.ELECTRICAL CHARACTERISTICS

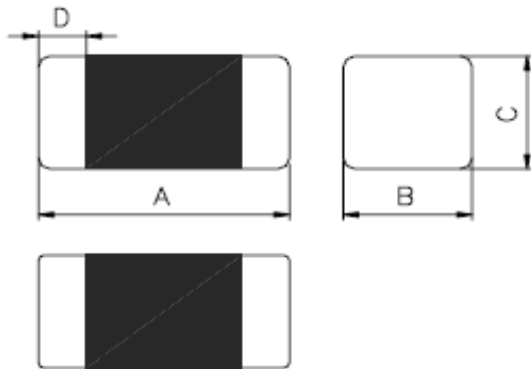
Parts Number	UB/B Impedance (Ω)	Test Freq. (GHz)	Rated Power (dBm) Max	DCR (Ω) Max	Rated Volt. (DCV) Max	Withstand Volt. (DCV) Max	IR (Ω) Min	Insertion Loss(dB) 1 to 1.5 GHz	CMRR (dB) 1 to 1.5 GHz
ABCM2012 FV -75011-122	75/75	1-1.5	27	0.59	20	50	10M	1.4max.	20min.

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.00	± 0.20
B	0.50	± 0.20
C	0.50	± 0.20
D	0.25	± 0.10

II.ELECTRICAL CHARACTERISTICS

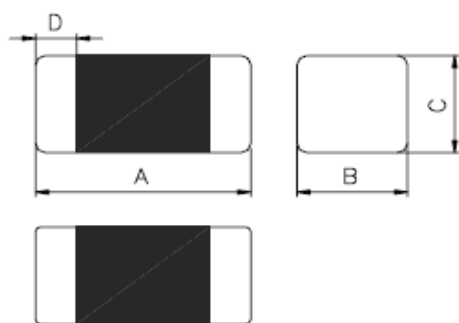
Parts Number	Inductance(uH)		Q		Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
	Tolerance	Test Freq (Hz)	Min	Test Freq (MHz)			
AFCI1005V-R22K	0.22±10%	25M/60mV	10	25	25	1.2	110
AFCI1005V-1R0K	1.0±10%	10M/60mV	20	10	15	0.9	40
AFCI1005V-1R8K	1.8±10%	10M/60mV	20	10	15	1.45	30
AFCI1005V-2R2K	2.2±10%	10M/60mV	20	10	10	1.7	28

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.60	± 0.25
B	0.80	± 0.25
C	0.80	± 0.25
D	0.30	± 0.2



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (MHz)	Q Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
AFCI1608V-47N□T	0.047	50	10	50	0.3	260
AFCI1608V-68N□T	0.067	50	10	50	0.3	250
AFCI1608V-82N□T	0.082	50	10	50	0.3	245
AFCI1608V-R10□T	0.1	25	15	50	0.5	240
AFCI1608V-R12□T	0.12	25	15	50	0.5	205
AFCI1608V-R15□T	0.15	25	15	50	0.6	180
AFCI1608V-R18□T	0.18	25	15	50	0.6	165
AFCI1608V-R22□T	0.22	25	15	50	0.8	150
AFCI1608V-R27□T	0.27	25	15	50	0.8	136
AFCI1608V-R33□T	0.33	25	15	35	0.85	125
AFCI1608V-R39□T	0.39	25	15	35	1	110
AFCI1608V-R47□T	0.47	25	15	35	1.35	105
AFCI1608V-R56□T	0.56	25	15	35	1.55	95
AFCI1608V-R68□T	0.68	25	15	35	1.7	80
AFCI1608V-R82□T	0.82	25	15	35	2.1	75



AFCI1608V SERIES

AFCI1608V-1R0□T	1	10	30	25	0.6	70
AFCI1608V-1R5□T	1.5	10	30	25	0.8	55
AFCI1608V-1R8□T	1.8	10	30	25	0.95	50
AFCI1608V-2R2□T	2.2	10	30	15	1.15	45
AFCI1608V-3R3□T	3.3	10	30	15	1.55	38
AFCI1608V-4R7□T	4.7	10	30	15	2.1	33
AFCI1608V-100□T	10	2	30	15	2.55	17

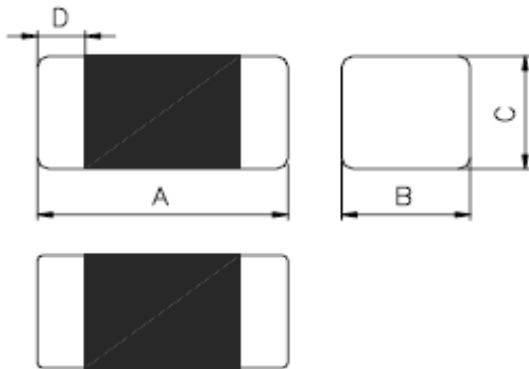
□ : K=±10%, L=±15%, M=±20%

1. Comply with AEC-Q200

2. Operating Temp: -40~+125°C

3. Storage Temp: -40~+125°C (on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	±0.30
B	1.25	±0.30
C	0.85	±0.30
	1.25	±0.20
D	0.50	±0.30

II.ELECTRICAL CHARACTERISTICS

Parts Number	Thickness C Size(mm)	Inductance(uH)		Q		Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
		Tolerance	Test Freq. (Hz)	Min	Test Freq. (MHz)			
AFCI2012V-47N□T	0.85±0.20	0.047	50M/60mV	15	50	300	0.2	320
AFCI2012V-68N□T	0.85±0.20	0.068	50M/60mV	15	50	300	0.2	280
AFCI2012V-82N□T	0.85±0.20	0.082	50M/60mV	15	50	300	0.2	255
AFCI2012V-R10□T	0.85±0.20	0.1	25M/60mV	20	25	250	0.3	235
AFCI2012V-R12□T	0.85±0.20	0.12	25M/60mV	20	25	250	0.3	220
AFCI2012V-R15□T	0.85±0.20	0.15	25M/60mV	20	25	250	0.4	200
AFCI2012V-R18□T	0.85±0.20	0.18	25M/60mV	20	25	250	0.4	185
AFCI2012V-R22□T	0.85±0.20	0.22	25M/60mV	20	25	250	0.5	170
AFCI2012V-R27□T	0.85±0.20	0.27	25M/60mV	20	25	250	0.5	150
AFCI2012V-R33□T	0.85±0.20	0.33	25M/60mV	20	25	250	0.55	145
AFCI2012V-R39□T	0.85±0.20	0.39	25M/60mV	25	25	200	0.65	135
AFCI2012V-R47□T	1.25±0.20	0.47	25M/60mV	25	25	200	0.65	125
AFCI2012V-R56□T	1.25±0.20	0.56	25M/60mV	25	25	150	0.75	115



AFCI2012V SERIES

AFCI2012V-R68□T	1.25±0.20	0.68	25M/60mV	25	25	150	0.8	105
AFCI2012V-1R0□T	0.85±0.20	1	10M/60mV	45	10	50	0.4	75
AFCI2012V-1R5□T	0.85±0.20	1.5	10M/60mV	45	10	50	0.5	60
AFCI2012V-1R8□T	0.85±0.20	1.8	10M/60mV	45	10	50	0.6	55
AFCI2012V-2R2□T	0.85±0.20	2.2	10M/60mV	45	10	30	0.65	50
AFCI2012V-2R7□T	1.25±0.20	2.7	10M/60mV	45	10	30	0.75	45
AFCI2012V-3R3□T	1.25±0.20	3.3	10M/60mV	45	10	30	0.8	41
AFCI2012V-4R7□T	1.25±0.20	4.7	10M/60mV	45	10	30	1	35
AFCI2012V-100□T	1.25±0.20	10	2M/60mV	45	2	15	1.15	24

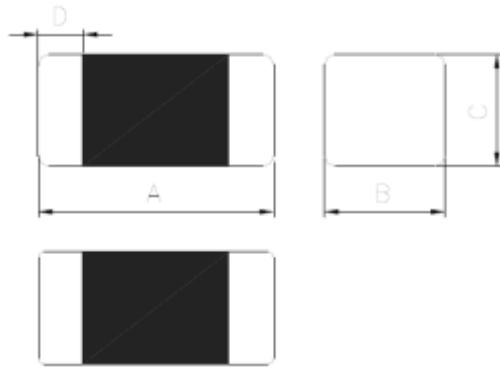
□: K=±10%, L=±15%, M=±20%

1. Comply with AEC-Q200

2. Operating Temp: -40~+125°C

3. Storage Temp: -40~+125°C (on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	1.10	± 0.3
D	0.50	± 0.3

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance(uH)		Q		Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
	Tolerance	Test Freq. (Hz)	Min	Test Freq. (MHz)			
AFCI3216V-47N□T	0.047	50M/60mV	20	50	300	0.15	320
AFCI3216V-68N□T	0.068	50M/60mV	20	50	300	0.25	280
AFCI3216V-R10□T	0.1	25M/60mV	20	25	250	0.25	235
AFCI3216V-R12□T	0.12	25M/60mV	20	25	250	0.3	220
AFCI3216V-R15□T	0.15	25M/60mV	20	25	250	0.3	200
AFCI3216V-R18□T	0.18	25M/60mV	20	25	250	0.4	185
AFCI3216V-R22□T	0.22	25M/60mV	20	25	250	0.4	170
AFCI3216V-R27□T	0.27	25M/60mV	20	25	250	0.5	150
AFCI3216V-R33□T	0.33	25M/60mV	20	25	250	0.5	145
AFCI3216V-R39□T	0.39	25M/60mV	25	25	250	0.6	135
AFCI3216V-R47□T	0.47	25M/60mV	25	25	200	0.6	125
AFCI3216V-R56□T	0.56	25M/60mV	25	25	200	0.7	115
AFCI3216V-R68□T	0.68	25M/60mV	25	25	150	0.8	105



AFCI3216V SERIES

AFCI3216V-R82□T	0.82	25M/60mV	25	25	150	0.9	100
AFCI3216V-1R0□T	1	10M/60mV	45	10	100	0.4	75
AFCI3216V-1R2□T	1.2	10M/60mV	45	10	100	0.5	65
AFCI3216V-1R5□T	1.5	10M/60mV	45	10	50	0.5	60
AFCI3216V-2R2□T	2.2	10M/60mV	45	10	50	0.6	50
AFCI3216V-3R3□T	3.3	10M/60mV	45	10	50	0.7	41
AFCI3216V-4R7□T	4.7	10M/60mV	45	10	50	0.9	35
AFCI3216V-100□T	10	2M/60mV	50	2	25	1	24

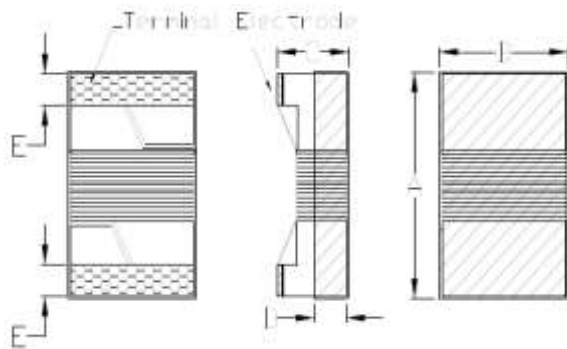
□: K=±10%, L=±15%, M=±20%

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.65	± 0.25
B	1.15	± 0.25
C	1.20	Max
D	0.38	Ref
E	0.35	± 0.10

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Typ	Test Freq. (MHz)	IDC (mA) Max	DCR (Ω) Max	SRF (MHz) Typ
ASWF1608LV-47NKT	0.047±10%	7.9M/0.5V	17	7.9	1500	0.075	1700
ASWF1608LV-72NKT	0.072±10%	7.9M/0.5V	17	7.9	1500	0.12	1700
ASWF1608LV-R10KT	0.1±10%	7.9M/0.5V	17	7.9	1500	0.12	1500
ASWF1608LV-R15KT	0.15±10%	7.9M/0.5V	17	7.9	1450	0.15	1350
ASWF1608LV-R18KT	0.18±10%	7.9M/0.5V	17	7.9	1400	0.15	1150
ASWF1608LV-R33KT	0.33±10%	7.9M/0.5V	17	7.9	900	0.46	850
ASWF1608LV-R39KT	0.39±10%	7.9M/0.5V	17	7.9	1100	0.51	810
ASWF1608LV-R47KT	0.47±10%	7.9M/0.5V	17	7.9	1050	0.62	720
ASWF1608LV-R56KT	0.56±10%	7.9M/0.5V	17	7.9	850	0.44	600
ASWF1608LV-R68KT	0.68±10%	7.9M/0.5V	17	7.9	850	0.52	600
ASWF1608LV-R82KT	0.82±10%	7.9M/0.5V	17	7.9	750	0.69	480
ASWF1608LV-R91KT	0.91±10%	7.9M/0.5V	17	7.9	670	0.76	330
ASWF1608LV-1R0KT	1.0±10%	7.9M/0.5V	17	7.9	600	0.81	310
ASWF1608LV-1R2KT	1.2±10%	7.9M/0.5V	17	7.9	550	0.87	270



ASWF1608LV SERIES

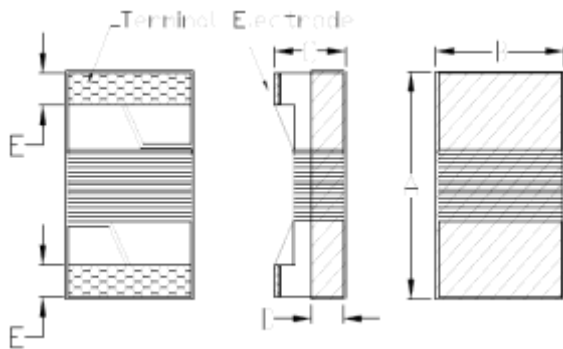
ASWF1608LV-1R5KT	1.5±10%	7.9M/0.5V	17	7.9	540	1.06	270
ASWF1608LV-1R8KT	1.8±10%	7.9M/0.5V	17	7.9	520	1.1	230
ASWF1608LV-2R2KT	2.2±10%	7.9M/0.5V	17	7.9	500	1.2	130
ASWF1608LV-2R7KT	2.7±10%	7.9M/0.5V	17	7.9	480	1.5	105
ASWF1608LV-3R3KT	3.3±10%	7.9M/0.5V	17	7.9	440	1.5	84
ASWF1608LV-3R9KT	3.9±10%	7.9M/0.5V	17	7.9	430	1.6	80
ASWF1608LV-4R7KT	4.7±10%	7.9M/0.5V	18	7.9	420	2.1	69
ASWF1608LV-5R6JT	5.6±5%	7.9M/0.5V	18	7.9	350	2.6	65
ASWF1608LV-6R8JT	6.8±5%	7.9M/0.5V	19	7.9	330	3.1	55
ASWF1608LV-7R8JT	7.8±5%	7.9M/0.5V	17	7.9	320	3.5	47
ASWF1608LV-8R2JT	8.2±5%	7.9M/0.5V	17	7.9	300	3.8	42
ASWF1608LV-100JT	10±5%	7.9M/0.5V	19	7.9	270	4.8	40

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.90	Max
B	1.30	Max
C	1.20	Max
D	0.38	Ref
E	0.35	± 0.10

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Min	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF1608CV-47N□T	0.047	7.96M/0.5V	10	7.96	1400	0.075	1500
ASWF1608CV-R10□T	0.1	7.96M/0.5V	10	7.96	1400	0.13	1150
ASWF1608CV-R12□T	0.12	7.96M/0.5V	10	7.96	1400	0.15	1100
ASWF1608CV-R15□T	0.15	7.96M/0.5V	10	7.96	1300	0.15	1050
ASWF1608CV-R18□T	0.18	7.96M/0.5V	10	7.96	1300	0.15	950
ASWF1608CV-R22□T	0.22	7.96M/0.5V	10	7.96	950	0.15	800
ASWF1608CV-R24□T	0.24	7.96M/0.5V	10	7.96	620	0.31	800
ASWF1608CV-R27□T	0.27	7.96M/0.5V	10	7.96	710	0.2	775
ASWF1608CV-R33□T	0.33	7.96M/0.5V	10	7.96	620	0.35	725
ASWF1608CV-R39□T	0.39	7.96M/0.5V	10	7.96	600	0.39	620
ASWF1608CV-R47□T	0.47	7.96M/0.5V	10	7.96	570	0.43	540
ASWF1608CV-R56□T	0.56	7.96M/0.5V	10	7.96	550	0.47	525
ASWF1608CV-R68□T	0.68	7.96M/0.5V	10	7.96	470	0.52	460
ASWF1608CV-R82□T	0.82	7.96M/0.5V	10	7.96	400	0.69	410



ASWF1608CV SERIES

ASWF1608CV-1R0□T	1	7.96M/0.5V	10	7.96	400	0.81	190
ASWF1608CV-1R2□T	1.2	7.96M/0.5V	10	7.96	370	0.87	160
ASWF1608CV-1R5□T	1.5	7.96M/0.5V	10	7.96	350	0.96	100
ASWF1608CV-1R8□T	1.8	7.96M/0.5V	10	7.96	350	1.1	80
ASWF1608CV-2R2□T	2.2	7.96M/0.5V	10	7.96	320	1.2	68
ASWF1608CV-3R3□T	3.3	7.96M/0.5V	10	7.96	280	1.5	42
ASWF1608CV-3R9□T	3.9	7.96M/0.5V	10	7.96	280	1.5	40
ASWF1608CV-4R7□T	4.7	7.96M/0.5V	10	7.96	260	2.1	34
ASWF1608CV-5R6□T	5.6	7.96M/0.5V	10	7.96	240	2.6	32
ASWF1608CV-6R8□T	6.8	7.96M/0.5V	10	7.96	200	3.1	31
ASWF1608CV-8R2□T	8.2	7.96M/0.5V	10	7.96	190	4.4	26
ASWF1608CV-100□T	10	2.52M/0.5V	10	2.52	180	4.8	25

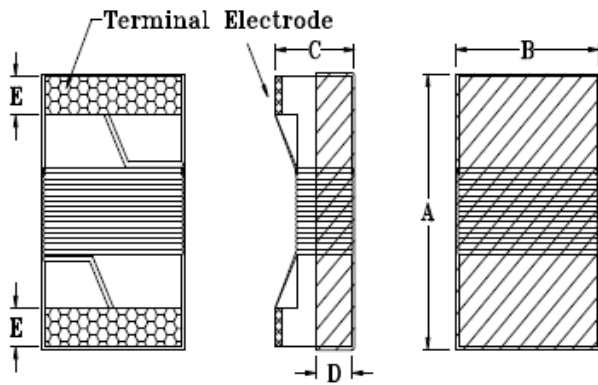
□: K=±10%, M=±20%

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	Max
B	1.70	Max
C	1.40	Max
D	0.51	Ref
E	0.44	± 0.1



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF2012CV-R47□T	0.47	7.96M/0.5V	10	750	0.2	720
ASWF2012CV-R56□T	0.56	7.96M/0.5V	10	730	0.21	665
ASWF2012CV-R68□T	0.68	7.96M/0.5V	10	670	0.28	565
ASWF2012CV-1R0□T	1	7.96M/0.5V	10	615	0.34	525
ASWF2012CV-1R2□T	1.2	7.96M/0.5V	10	550	0.39	473
ASWF2012CV-1R5□T	1.5	7.96M/0.5V	10	520	0.45	300
ASWF2012CV-2R2□T	2.2	7.96M/0.5V	10	420	0.67	215
ASWF2012CV-3R3□T	3.3	7.96M/0.5V	10	385	0.81	95
ASWF2012CV-3R9□T	3.9	7.96M/0.5V	10	372	0.88	57
ASWF2012CV-4R7□T	4.7	7.96M/0.5V	10	345	0.99	51
ASWF2012CV-5R6□T	5.6	7.96M/0.5V	10	335	1.06	44
ASWF2012CV-6R8□T	6.8	7.96M/0.5V	10	315	1.21	39
ASWF2012CV-8R2□T	8.2	7.96M/0.5V	10	295	1.33	33



ASWF2012CV SERIES

ASWF2012CV-100□T	10.0	2.52M/0.5V	10	260	1.79	30
ASWF2012CV-120□T	12.0	2.52M/0.5V	10	250	1.98	27
ASWF2012CV-150□T	15.0	2.52M/0.5V	10	215	2.68	22
ASWF2012CV-180□T	18.0	2.52M/0.5V	10	195	3.12	20
ASWF2012CV-220□T	22.0	2.52M/0.5V	10	180	3.48	18
ASWF2012CV-270□T	27.0	2.52M/0.5V	10	170	3.84	16
ASWF2012CV-330□T	33.0	2.52M/0.5V	10	145	4.34	15

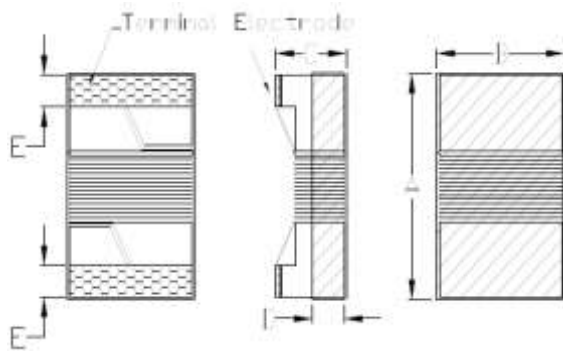
□: K=±10%, M=±20%

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	Max
B	2.60	Max
C	2.10	Max
D	1.20	Ref
E	0.55	±0.10

II.ELECTRICAL CHARACTERISTICS

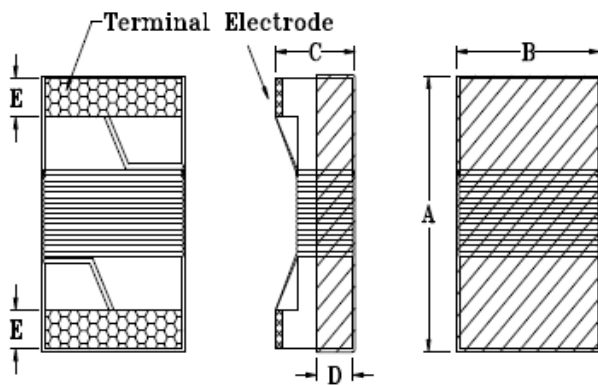
Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	Q Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF2520CV-1R0□T	1	7.96M/0.5V	7.96	12	1000	0.13	345
ASWF2520CV-1R5□T	1.5	7.96M/0.5V	7.96	12	850	0.17	100
ASWF2520CV-2R2□T	2.2	7.96M/0.5V	7.96	12	775	0.21	78
ASWF2520CV-3R3□T	3.3	7.96M/0.5V	7.96	12	715	0.26	48
ASWF2520CV-4R7□T	4.7	7.96M/0.5V	7.96	12	505	0.52	46
ASWF2520CV-6R8□T	6.8	7.96M/0.5V	7.96	12	432	0.72	33
ASWF2520CV-8R2□T	8.2	2.52M/0.5V	2.52	12	410	0.76	30
ASWF2520CV-100□T	10	2.52M/0.5V	2.52	12	392	0.86	28
ASWF2520CV-150□T	15	2.52M/0.5V	2.52	12	342	1.09	21
ASWF2520CV-220□T	22	2.52M/0.5V	2.52	12	260	1.96	18
ASWF2520CV-330□T	33	2.52M/0.5V	2.52	12	236	2.47	15

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.70	Max
B	2.90	Max
C	2.60	Max
D	0.80	Ref
E	0.55	± 0.1

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF3225CV-1R0□T	1	7.96M/0.5V	10	1200	0.12	290
ASWF3225CV-1R5□T	1.5	7.96M/0.5V	10	1000	0.13	260
ASWF3225CV-2R2□T	2.2	7.96M/0.5V	10	880	0.17	190
ASWF3225CV-3R3□T	3.3	7.96M/0.5V	10	775	0.22	64
ASWF3225CV-4R7□T	4.7	7.96M/0.5V	10	710	0.26	54
ASWF3225CV-6R8□T	6.8	7.96M/0.5V	10	660	0.3	34
ASWF3225CV-100□T	10	2.52M/0.5V	10	570	0.39	25
ASWF3225CV-150□T	15	2.52M/0.5V	10	440	0.66	17
ASWF3225CV-220□T	22	2.52M/0.5V	10	400	0.82	16
ASWF3225CV-330□T	33	2.52M/0.5V	10	285	1.5	12
ASWF3225CV-390□T	39	2.52M/0.5V	10	270	1.66	12
ASWF3225CV-470□T	47	2.52M/0.5V	10	260	1.9	10
ASWF3225CV-680□T	68	2.52M/0.5V	10	235	2.29	9



ASWF3225CV SERIES

ASWF3225CV-101□T	100	1M/0.5V	10	190	3.48	7
ASWF3225CV-151□T	150	1M/0.5V	10	140	6.55	5
ASWF3225CV-221□T	220	1M/0.5V	10	115	8.23	4
ASWF3225CV-331□T	330	1M/0.5V	10	98	13.7	2.8
ASWF3225CV-471□T	470	1M/0.5V	10	86	18.1	2.6
ASWF3225CV-681□T	680	1M/0.5V	10	76	22	2.3

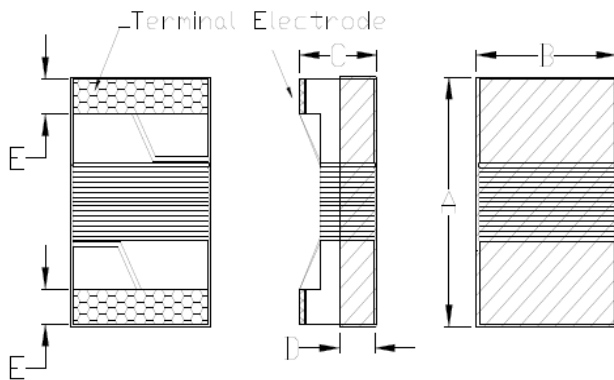
□:K=±10%, M=±20%

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.90	Max
B	1.30	Max
C	1.20	Max
D	0.38	Ref
E	0.35	±0.10



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	Q@ 250MHz Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWI0603V-2N0□T	2	C,S	250M/0.1V	13	700	0.07	8000
ASWI0603V-3N9□T	3.9	C,S	250M/0.1V	22	700	0.07	6900
ASWI0603V-4N7□T	4.7	C,J,K	250M/0.1V	20	700	0.12	5800
ASWI0603V-6N8□T	6.8	C,J,K	250M/0.1V	27	700	0.08	5800
ASWI0603V-8N2□T	8.2	C,J,K	250M/0.1V	30	700	0.13	4200
ASWI0603V-10N□T	10	J,K	250M/0.1V	31	700	0.13	4800
ASWI0603V-12N□T	12	J,K	250M/0.1V	35	700	0.13	4000
ASWI0603V-15N□T	15	J,K	250M/0.1V	35	700	0.13	4000
ASWI0603V-18N□T	18	J,K	250M/0.1V	35	700	0.16	3100
ASWI0603V-22N□T	22	J,K	250M/0.1V	38	700	0.23	3000
ASWI0603V-24N□T	24	J,K	250M/0.1V	38	700	0.13	2800
ASWI0603V-27N□T	27	J,K	250M/0.1V	40	600	0.14	2800
ASWI0603V-33N□T	33	J,K	250M/0.1V	40	600	0.22	2300
ASWI0603V-39N□T	39	J	250M/0.1V	40	600	0.3	2200



ASWI0603V SERIES

ASWI0603V-47N□T	47	J,K	200M/0.1V	38	600	0.35	2000
ASWI0603V-56N□T	56	J,K	200M/0.1V	38	600	0.37	1900
ASWI0603V-68N□T	68	J,K	200M/0.1V	37	600	0.43	1700
ASWI0603V-72N□T	72	J,K	150M/0.1V	34	400	0.42	1700
ASWI0603V-82N□T	82	J,K	150M/0.1V	34	400	0.71	1700
ASWI0603V-R10□T	100	J,K	150M/0.1V	34	400	0.78	1400
ASWI0603V-R12□T	120	J,K	150M/0.1V	32	300	0.84	1300
ASWI0603V-R15□T	150	J,K	150M/0.1V	28	280	0.96	990
ASWI0603V-R18□T	180	J,K	100M/0.1V	25	240	1.52	990
ASWI0603V-R22□T	220	J,K	100M/0.1V	25	200	2.02	900
ASWI0603V-R27□T	270	J,K	100M/0.1V	24	170	2.36	900
ASWI0603V-R33□T	330	J,K	100M/0.1V	24	185	3.4	700
ASWI0603V-R39□T	390	J,K	100M/0.1V	24	100	3.6	900

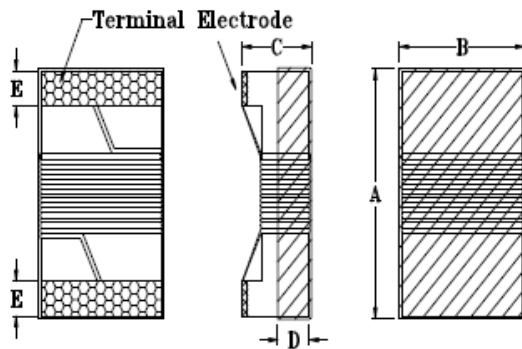
□: C=±0.2nH, S=±0.3nH, G=±2%, J=±5%, K=±10%

1.Comply with AEC-Q200

2.Operating Temp:-55~+125°C

3.Storage Temp:-55~+125°C(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.39	Max
B	1.83	Max
C	1.52	Max
D	0.51	Ref
E	0.44	± 0.1

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (nH)	Test Freq. (Hz)	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min	Q/Test Freq. Min
ASWI0805UV-2N8□T	2.8	250M/0.1V	800	0.06	7900	80/1500
ASWI0805UV-3N0□T	3	250M/0.1V	800	0.06	7900	65/1500
ASWI0805UV-3N3□T	3.3	250M/0.1V	600	0.08	7900	50/1500
ASWI0805UV-5N6□T	5.6	250M/0.1V	600	0.08	5500	65/1000
ASWI0805UV-6N8□T	6.8	250M/0.1V	600	0.11	5500	50/1000
ASWI0805UV-7N5□T	7.5	250M/0.1V	600	0.14	4500	50/1000
ASWI0805UV-8N2□T	8.2	250M/0.1V	600	0.12	4700	50/1000
ASWI0805UV-10N□T	10	250M/0.1V	600	0.1	4200	60/500
ASWI0805UV-12N□T	12	250M/0.1V	600	0.15	4000	50/500
ASWI0805UV-15N□T	15	250M/0.1V	600	0.17	3400	50/500
ASWI0805UV-18N□T	18	250M/0.1V	600	0.2	3300	50/500
ASWI0805UV-22N□T	22	250M/0.1V	500	0.22	2600	55/500
ASWI0805UV-24N□T	24	250M/0.1V	500	0.22	2000	50/500
ASWI0805UV-27N□T	27	250M/0.1V	500	0.25	2500	55/500
ASWI0805UV-33N□T	33	250M/0.1V	500	0.27	2050	60/500
ASWI0805UV-36N□T	36	250M/0.1V	500	0.27	1700	55/500
ASWI0805UV-39N□T	39	250M/0.1V	500	0.29	2000	60/500
ASWI0805UV-43N□T	43	200M/0.1V	500	0.34	1650	60/500
ASWI0805UV-47N□T	47	200M/0.1V	500	0.31	1650	60/500



ASWI0805UV SERIES

ASWI0805UV-56N□T	56	200M/0.1V	500	0.34	1550	60/500
ASWI0805UV-68N□T	68	200M/0.1V	500	0.38	1450	60/500
ASWI0805UV-82N□T	82	150M/0.1V	400	0.42	1300	65/500
ASWI0805UV-91N□T	91	150M/0.1V	400	0.48	1200	65/500
ASWI0805UV-R10□T	100	150M/0.1V	400	0.46	1200	65/500
ASWI0805UV-R11□T	110	150M/0.1V	400	0.48	1000	50/250
ASWI0805UV-R12□T	120	150M/0.1V	400	0.51	1100	50/250
ASWI0805UV-R15□T	150	100M/0.1V	400	0.56	920	50/250
ASWI0805UV-R18□T	180	100M/0.1V	400	0.64	870	50/250
ASWI0805UV-R20□T	200	100M/0.1V	400	0.68	860	50/250
ASWI0805UV-R22□T	220	100M/0.1V	400	0.7	850	50/250
ASWI0805UV-R24□T	240	100M/0.1V	350	1	690	44/250
ASWI0805UV-R25□T	250	100M/0.1V	350	1.2	660	45/250
ASWI0805UV-R27□T	270	100M/0.1V	350	1	650	48/250
ASWI0805UV-R33□T	330	100M/0.1V	310	1.4	600	48/250
ASWI0805UV-R39□T	390	100M/0.1V	290	1.5	560	48/250
ASWI0805UV-R47□T	470	50M/0.1V	250	1.7	375	33/100
ASWI0805UV-R56□T	560	25M/0.1V	230	1.9	340	23/50
ASWI0805UV-R62□T	620	25M/0.1V	210	2.2	220	23/50
ASWI0805UV-R68□T	680	25M/0.1V	190	2.2	188	23/50
ASWI0805UV-R82□T	820	25M/0.1V	180	2.35	215	23/50
ASWI0805UV-1R0□T	1000	25M/0.1V	170	2.5	100	20/50
ASWI0805UV-1R2□T	1200	7.9M/0.1V	170	2.5	100	18/25

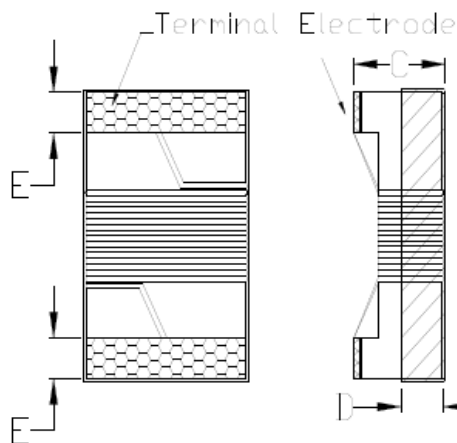
□ : C=±0.2nH, S=±0.3nH, G=±2%, J=±5%, K=±10%

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

I. MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.02	Max
B	2.89	Max
C	2.20	Max
D	1.20	Ref
E	0.55	±0.10



II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	Q@Test Freq. Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWI1008UV-10N□T	10	G,J,K	50M/0.1V	50/500	1000	0.08	4100
ASWI1008UV-12N□T	12	G,J,K	50M/0.1V	50/500	1000	0.09	3300
ASWI1008UV-15N□T	15	G,J,K	50M/0.1V	50/500	1000	0.18	2500
ASWI1008UV-18N□T	18	G,J,K	50M/0.1V	50/350	1000	0.11	2500
ASWI1008UV-22N□T	22	G,J,K	50M/0.1V	55/350	1000	0.12	2400
ASWI1008UV-27N□T	27	G,J,K	50M/0.1V	55/350	1000	0.13	1600
ASWI1008UV-33N□T	33	G,J,K	50M/0.1V	60/350	1000	0.14	1600
ASWI1008UV-39N□T	39	G,J,K	50M/0.1V	60/350	1000	0.15	1500
ASWI1008UV-47N□T	47	G,J,K	50M/0.1V	65/350	1000	0.16	1500
ASWI1008UV-56N□T	56	G,J,K	50M/0.1V	65/350	1000	0.18	1300
ASWI1008UV-68N□T	68	G,J,K	50M/0.1V	65/350	1000	0.2	1300
ASWI1008UV-82N□T	82	G,J,K	50M/0.1V	60/350	1000	0.22	1000
ASWI1008UV-R10□T	100	G,J,K	25M/0.1V	60/350	650	0.56	1000
ASWI1008UV-R12□T	120	G,J,K	25M/0.1V	60/350	650	0.63	950
ASWI1008UV-R15□T	150	G,J,K	25M/0.1V	45/100	580	0.7	850
ASWI1008UV-R18□T	180	G,J,K	25M/0.1V	45/100	620	0.77	750



ASWI1008UV SERIES

ASWI1008UV-R22□T	220	G,J,K	25M/0.1V	45/100	500	0.84	700
ASWI1008UV-R27□T	270	G,J,K	25M/0.1V	45/100	500	0.91	600
ASWI1008UV-R33□T	330	G,J,K	25M/0.1V	45/100	450	1.05	570
ASWI1008UV-R39□T	390	G,J,K	25M/0.1V	45/100	470	1.12	500
ASWI1008UV-R47□T	470	G,J,K	25M/0.1V	45/100	470	1.19	450
ASWI1008UV-R56□T	560	G,J,K	25M/0.1V	45/100	400	1.33	415
ASWI1008UV-R62□T	620	G,J,K	25M/0.1V	45/100	300	1.4	375
ASWI1008UV-R68□T	680	G,J,K	25M/0.1V	45/100	400	1.47	375
ASWI1008UV-R75□T	750	G,J,K	25M/0.1V	45/100	360	1.54	360
ASWI1008UV-R82□T	820	G,J,K	25M/0.1V	45/100	400	1.61	350
ASWI1008UV-R91□T	910	G,J,K	25M/0.1V	35/50	380	1.68	320
ASWI1008UV-1R0□T	1000	G,J,K	25M/0.1V	35/50	370	1.75	290
ASWI1008UV-1R2□T	1200	G,J,K	7.9M/0.1V	35/50	310	2	250
ASWI1008UV-1R5□T	1500	G,J,K	7.9M/0.1V	28/50	330	2.23	200
ASWI1008UV-1R8□T	1800	G,J,K	7.9M/0.1V	28/50	300	2.6	160
ASWI1008UV-2R2□T	2200	G,J,K	7.9M/0.1V	28/50	280	2.8	160
ASWI1008UV-2R7□T	2700	G,J,K	7.9M/0.1V	22/25	290	3.2	140
ASWI1008UV-3R3□T	3300	G,J,K	7.9M/0.1V	22/25	290	3.4	110
ASWI1008UV-3R9□T	3900	G,J,K	7.9M/0.1V	20/25	260	3.6	100
ASWI1008UV-4R7□T	4700	G,J,K	7.9M/0.1V	18/7.9	200	4	32
ASWI1008UV-5R6□T	5600	G,J,K	7.9M/0.1V	18/7.9	200	4	25
ASWI1008UV-6R8□T	6800	G,J,K	7.9M/0.1V	18/7.9	200	4.9	21
ASWI1008UV-8R2□T	8200	G,J,K	7.9M/0.1V	16/7.9	170	6	16
ASWI1008UV-100□T	10000	G,J,K	2.52M/0.1V	15/7.9	170	8	14

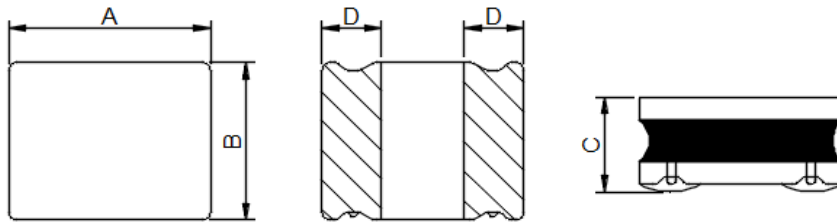
□: G=±2%, J=±5%, K=±10%

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.60	± 0.2
C	0.90	± 0.1
D	0.70	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR201610BMTV-R24MT	0.24±20%	3.8	4.1	4.8	5.2	24	20
ACDNR201610BMTV-R33MT	0.33±20%	3	3.3	4	4.6	34.8	29
ACDNR201610BMTV-R47MT	0.47±20%	2.7	2.9	3.7	4	45	37
ACDNR201610BMTV-R68MT	0.68±20%	2.3	2.5	3.3	3.6	60	50
ACDNR201610BMTV-1R0MT	1.0±20%	1.8	2	2.8	3.1	80.4	67
ACDNR201610BMTV-1R5MT	1.5±20%	1.4	1.6	2.1	2.5	118	98
ACDNR201610BMTV-2R2MT	2.2±20%	1.1	1.3	1.9	2.1	168	140
ACDNR201610BMTV-3R3MT	3.3±20%	0.95	1.1	1.4	1.7	252	210
ACDNR201610BMTV-4R7MT	4.7±20%	0.8	0.9	1.1	1.3	474	395
ACDNR201610BMTV-5R6MT	5.6±20%	0.77	0.85	0.9	1.1	498	415
ACDNR201610BMTV-6R8MT	6.8±20%	0.75	0.8	0.8	0.9	576	480
ACDNR201610BMTV-8R2MT	8.2±20%	0.65	0.7	0.7	0.8	756	630
ACDNR201610BMTV-100MT	10±20%	0.57	0.62	0.67	0.72	840	700
ACDNR201610BMTV-150MT	15±20%	0.43	0.46	0.55	0.6	1440	1200
ACDNR201610BMTV-220MT	22±20%	0.35	0.38	0.45	0.5	2160	1800

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:100KHz/1V

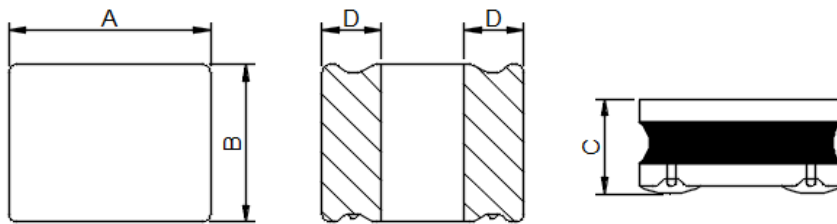
5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃



ACDNR201610AMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.60	± 0.2
C	0.90	± 0.1
D	0.70	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR201610AMTV-R47MT	0.47±20%	6.2	6.8	3.5	4	50.4	42
ACDNR201610AMTV-R68MT	0.68±20%	5	5.6	2.8	3.2	62.4	52
ACDNR201610AMTV-1R0MT	1.0±20%	4	4.5	2.6	2.9	90	75
ACDNR201610AMTV-1R5MT	1.5±20%	3.4	3.8	1.9	2.2	144	120
ACDNR201610AMTV-2R2MT	2.2±20%	2.8	3.2	1.7	2	196	160
ACDNR201610AMTV-3R3MT	3.3±20%	2.2	2.4	1.4	1.6	288	240
ACDNR201610AMTV-4R7MT	4.7±20%	1.7	1.9	1.1	1.3	435	362
ACDNR201610AMTV-100MT	10±20%	1.1	1.3	0.7	0.9	960	800

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

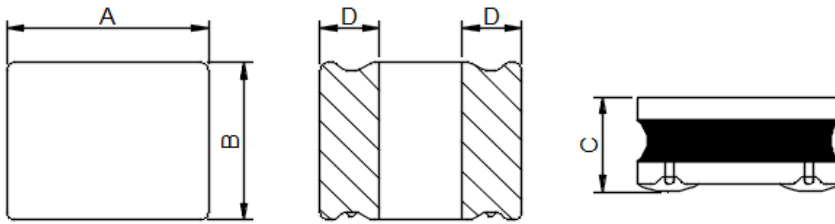
3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:1MHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.60	± 0.2
C	1.00	± 0.2
D	0.70	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR201612BMTV-R33MT	0.33±20%	3.2	3.5	4.3	4.8	30	25
ACDNR201612BMTV-R47MT	0.47±20%	2.9	3.1	3.9	4.2	42	35
ACDNR201612BMTV-R68MT	0.68±20%	2.4	2.6	3.5	3.8	54	45
ACDNR201612BMTV-1R0MT	1.0±20%	1.9	2.1	2.9	3.2	72	60
ACDNR201612BMTV-1R5MT	1.5±20%	1.5	1.7	2.2	2.6	108	90
ACDNR201612BMTV-2R2MT	2.2±20%	1.2	1.4	2	2.2	156	130
ACDNR201612BMTV-3R3MT	3.3±20%	1	1.15	1.5	1.8	228	190
ACDNR201612BMTV-4R7MT	4.7±20%	0.85	0.95	1.2	1.4	420	350
ACDNR201612BMTV-5R6MT	5.6±20%	0.8	0.9	1	1.2	438	365
ACDNR201612BMTV-6R8MT	6.8±20%	0.76	0.82	0.9	1	552	460
ACDNR201612BMTV-8R2MT	8.2±20%	0.65	0.7	0.75	0.85	732	610
ACDNR201612BMTV-100MT	10±20%	0.6	0.65	0.7	0.78	780	650
ACDNR201612BMTV-150MT	15±20%	0.45	0.5	0.6	0.65	1260	1050
ACDNR201612BMTV-220MT	22±20%	0.38	0.4	0.5	0.55	1980	1650

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:100KHz/1V

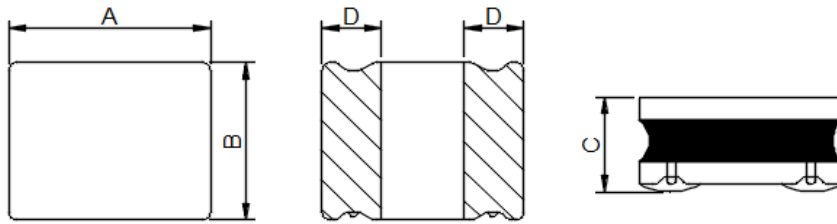
5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃



ACDNR201612AMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.60	± 0.2
C	1.00	± 0.2
D	0.70	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR201612AMTV-R47MT	0.47±20%	6.8	7.2	4	4.3	40.8	34
ACDNR201612AMTV-R68MT	0.68±20%	5.4	6	3.3	3.6	51.6	43
ACDNR201612AMTV-1R0MT	1.0±20%	4.2	4.7	3	3.2	63.6	53
ACDNR201612AMTV-1R5MT	1.5±20%	3.5	4	2.4	2.7	94	78
ACDNR201612AMTV-2R2MT	2.2±20%	3	3.4	2.1	2.4	132	110
ACDNR201612AMTV-3R3MT	3.3±20%	2.4	2.6	1.7	1.9	216	180
ACDNR201612AMTV-4R7MT	4.7±20%	1.9	2.1	1.3	1.5	336	280

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

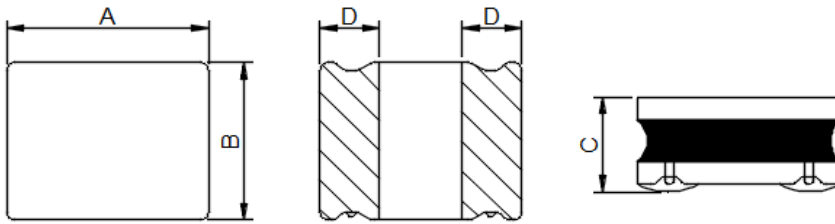
3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:1MHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	0.70	± 0.1
D	0.90	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR252008BMTV-R47MT	0.47±20%	2.2	2.4	2.4	2.6	55	46
ACDNR252008BMTV-R68MT	0.68±20%	2.05	2.2	2.2	2.4	73	61
ACDNR252008BMTV-R82MT	0.82±20%	2	2.1	2.1	2.3	92	77
ACDNR252008BMTV-1R0MT	1.0±20%	1.7	1.9	1.95	2.15	96	80
ACDNR252008BMTV-1R2MT	1.2±20%	1.65	1.85	1.9	2.1	120	100
ACDNR252008BMTV-1R5MT	1.5±20%	1.55	1.7	1.8	2	156	130
ACDNR252008BMTV-2R2MT	2.2±20%	1.25	1.4	1.6	1.8	210	175
ACDNR252008BMTV-3R3MT	3.3±20%	1	1.1	1.3	1.5	294	245
ACDNR252008BMTV-4R7MT	4.7±20%	0.9	1	1.05	1.25	420	350
ACDNR252008BMTV-5R6MT	5.6±20%	0.8	0.85	1	1.1	462	385
ACDNR252008BMTV-6R8MT	6.8±20%	0.75	0.8	0.9	1	636	530
ACDNR252008BMTV-8R2MT	8.2±20%	0.6	0.7	0.7	0.85	780	650
ACDNR252008BMTV-100MT	10±20%	0.56	0.63	0.6	0.75	1068	890
ACDNR252008BMTV-150MT	15±20%	0.45	0.5	0.5	0.6	1440	1200
ACDNR252008BMTV-220MT	22±20%	0.38	0.42	0.42	0.5	2160	1800

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

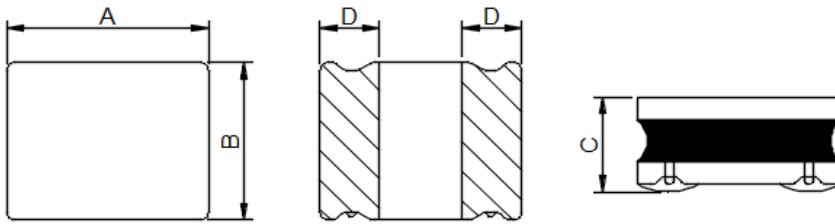
3. Storage Temp: -55~+125°C (on board)

4. All test data referenced to 25°C ambient, Ls: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	0.90	± 0.1
D	0.90	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR252010BMTV-R47MT	0.47±20%	3	3.3	2.8	3	35	29
ACDNR252010BMTV-R68MT	0.68±20%	2.6	2.8	2.6	2.8	47	39
ACDNR252010BMTV-1R0MT	1.0±20%	2.3	2.5	2.4	2.6	72	60
ACDNR252010BMTV-1R5MT	1.5±20%	1.9	2.1	2.2	2.4	96	80
ACDNR252010BMTV-2R2MT	2.2±20%	1.3	1.5	1.8	2	132	110
ACDNR252010BMTV-3R3MT	3.3±20%	1.1	1.3	1.5	1.7	204	170
ACDNR252010BMTV-4R7MT	4.7±20%	1.1	1.2	1.2	1.4	300	250
ACDNR252010BMTV-6R8MT	6.8±20%	0.85	0.95	1	1.2	444	370
ACDNR252010BMTV-100MT	10±20%	0.65	0.75	0.8	1	552	460
ACDNR252010BMTV-150MT	15±20%	0.57	0.62	0.65	0.8	924	770
ACDNR252010BMTV-220MT	22±20%	0.47	0.52	0.56	0.62	1332	1110

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

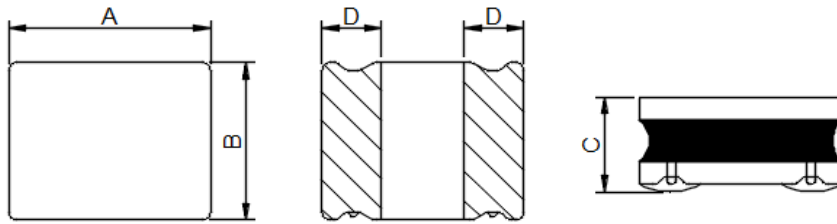
3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	0.90	± 0.1
D	0.90	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR252010AMTV-R24MT	0.24±20%	8.5	9.5	5.1	5.6	27.6	23
ACDNR252010AMTV-R33MT	0.33±20%	7.6	8.4	4.8	5.3	34.8	29
ACDNR252010AMTV-R47MT	0.47±20%	6.3	7	4.2	4.6	38.4	32
ACDNR252010AMTV-R68MT	0.68±20%	5.4	6	3.6	4	55.2	46
ACDNR252010AMTV-1R0MT	1.0±20%	4.5	5	3.1	3.4	79.2	66
ACDNR252010AMTV-1R5MT	1.5±20%	3.5	3.8	2.5	2.9	102	85
ACDNR252010AMTV-2R2MT	2.2±20%	2.5	3	2.2	2.5	150	125
ACDNR252010AMTV-3R3MT	3.3±20%	2.1	2.5	1.8	2	234	195
ACDNR252010AMTV-4R7MT	4.7±20%	1.9	2.2	1.5	1.7	312	260

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:1MHz/1V

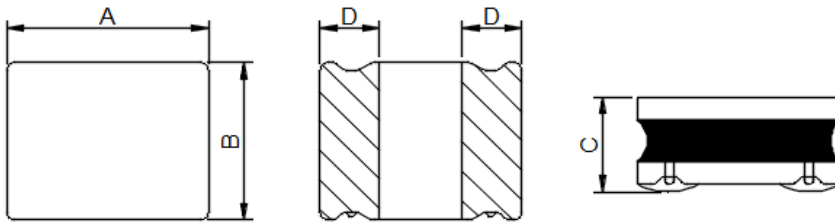
5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃



ACDNR252012BMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	1.00	± 0.2
D	0.90	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR252012BMTV-R22YT	0.22±30%	5	5.5	5.5	6	18	15
ACDNR252012BMTV-R33MT	0.33±20%	4.4	4.8	4.8	5.2	24	20
ACDNR252012BMTV-R47MT	0.47±20%	4	4.3	4.5	4.8	32	26
ACDNR252012BMTV-R68MT	0.68±20%	3.5	3.7	4	4.4	45	37
ACDNR252012BMTV-1R0MT	1.0±20%	2.8	3	3.3	3.6	60	50
ACDNR252012BMTV-1R2MT	1.2±20%	2.7	2.9	3.1	3.4	74	61
ACDNR252012BMTV-1R5MT	1.5±20%	2.5	2.7	2.8	3.1	84	70
ACDNR252012BMTV-2R2MT	2.2±20%	1.9	2.1	2.3	2.7	113	94
ACDNR252012BMTV-3R3MT	3.3±20%	1.5	1.7	1.9	2.2	152	126
ACDNR252012BMTV-4R7MT	4.7±20%	1.3	1.5	1.6	1.8	270	225
ACDNR252012BMTV-6R8MT	6.8±20%	1.1	1.2	1.3	1.5	372	310
ACDNR252012BMTV-100MT	10±20%	0.9	1	1.1	1.3	594	495
ACDNR252012BMTV-150MT	15±20%	0.7	0.8	0.9	1	780	650
ACDNR252012BMTV-220MT	22±20%	0.58	0.63	0.6	0.8	1090	908

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:100KHz/1V

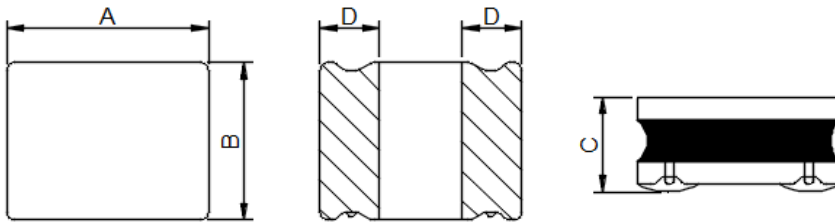
5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃



ACDNR252012AMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	1.00	± 0.2
D	0.90	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR252012AMTV-R24MT	0.24±20%	9	10	5.8	6.3	21.6	18
ACDNR252012AMTV-R33MT	0.33±20%	8	8.7	5.1	5.6	28.8	24
ACDNR252012AMTV-R47MT	0.47±20%	6.6	7.3	4.6	5	36	30
ACDNR252012AMTV-R68MT	0.68±20%	5.5	6.2	4.2	4.6	44	36.5
ACDNR252012AMTV-1R0MT	1.0±20%	4.8	5.4	3.7	4	58	48
ACDNR252012AMTV-1R5MT	1.5±20%	3.6	4	2.9	3.3	78	65
ACDNR252012AMTV-2R2MT	2.2±20%	2.6	3.1	2.6	2.9	110	92
ACDNR252012AMTV-3R3MT	3.3±20%	2.2	2.6	2.2	2.5	156	130
ACDNR252012AMTV-4R7MT	4.7±20%	2	2.3	1.7	1.9	240	200
ACDNR252012AMTV-6R8MT	6.8±20%	1.6	1.8	1.4	1.6	360	300
ACDNR252012AMTV-100MT	10±20%	1.2	1.4	1.1	1.2	540	450

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:1MHz/1V

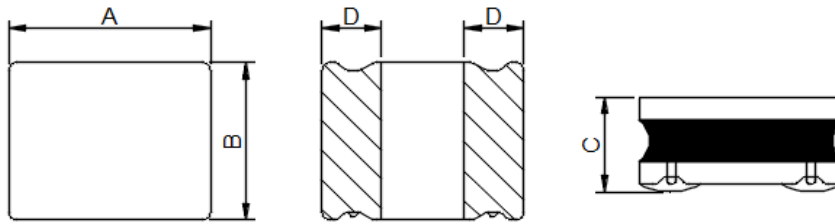
5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃



ACDNR322512BMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.20	± 0.2
B	2.50	± 0.2
C	1.00	± 0.2
D	1.00	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR322512BMTV-R33MT	0.33±20%	4.2	4.5	4.5	5	22.8	19
ACDNR322512BMTV-R47MT	0.47±20%	3.8	4	4.1	4.5	30	25
ACDNR322512BMTV-R68MT	0.68±20%	3.4	3.7	3.6	4.1	38	32
ACDNR322512BMTV-1R0MT	1.0±20%	2.8	3	3.2	3.5	47	39
ACDNR322512BMTV-1R5MT	1.5±20%	2.2	2.4	3	3.2	58	48
ACDNR322512BMTV-2R2MT	2.2±20%	1.9	2.1	2.7	2.9	86	72
ACDNR322512BMTV-3R3MT	3.3±20%	1.6	1.8	2.2	2.5	126	105
ACDNR322512BMTV-4R7MT	4.7±20%	1.3	1.5	2	2.2	177	148
ACDNR322512BMTV-5R6MT	5.6±20%	1.15	1.25	1.7	1.9	204	170
ACDNR322512BMTV-6R8MT	6.8±20%	1.05	1.15	1.4	1.7	240	200
ACDNR322512BMTV-8R2MT	8.2±20%	0.9	1	1.3	1.5	312	260
ACDNR322512BMTV-100MT	10±20%	0.82	0.92	1.1	1.3	420	350
ACDNR322512BMTV-150MT	15±20%	0.65	0.7	0.9	1	552	460
ACDNR322512BMTV-220MT	22±20%	0.55	0.6	0.7	0.8	792	660

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

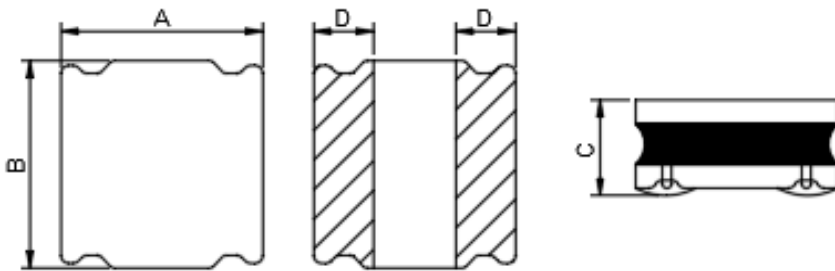
4.All test data referenced to 25℃ ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDNR3010PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.00	+0.2/-0.3
D	0.75	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR3010PHV-1R0YT	1.0±30%	100K/1V	1.4	2.2	1.45	1.8	85
ACDNR3010PHV-1R5YT	1.5±30%	100K/1V	1.27	1.75	1.3	1.6	104
ACDNR3010PHV-2R2MT	2.2±20%	100K/1V	1.15	1.6	1.09	1.42	143
ACDNR3010PHV-3R3MT	3.3±20%	100K/1V	0.97	1.2	0.96	1.2	189
ACDNR3010PHV-4R7MT	4.7±20%	100K/1V	0.75	1.1	0.77	1.1	293
ACDNR3010PHV-6R8MT	6.8±20%	100K/1V	0.65	0.75	0.66	0.96	397
ACDNR3010PHV-100MT	10±20%	100K/1V	0.6	0.72	0.58	0.7	520
ACDNR3010PHV-150MT	15±20%	100K/1V	0.42	0.58	0.47	0.57	793
ACDNR3010PHV-220MT	22±20%	100K/1V	0.36	0.48	0.38	0.52	1176
ACDNR3010PHV-330MT	33±20%	100K/1V	0.29	0.42	0.3	0.55	2015
ACDNR3010PHV-470MT	47±20%	100K/1V	0.22	0.36	0.26	0.52	2535

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

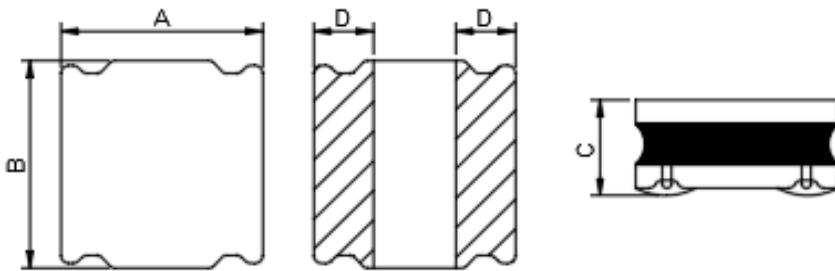
4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDNR3012PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.20	+0.2/-0.3
D	0.75	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR3012PHV-1R0YT	1.0±30%	100K/1V	1.87	2.8	2.2	2.7	52
ACDNR3012PHV-1R5YT	1.5±30%	100K/1V	1.62	1.92	2.01	2.2	59
ACDNR3012PHV-2R2MT	2.2±20%	100K/1V	1.2	1.9	1.55	1.7	97.5
ACDNR3012PHV-3R3MT	3.3±20%	100K/1V	1.05	1.52	1.36	1.4	130
ACDNR3012PHV-4R7MT	4.7±20%	100K/1V	0.9	1	1.24	1.3	156
ACDNR3012PHV-6R8MT	6.8±20%	100K/1V	0.75	0.92	0.98	1.1	247
ACDNR3012PHV-100MT	10±20%	100K/1V	0.6	0.88	0.83	0.9	344.5
ACDNR3012PHV-150MT	15±20%	100K/1V	0.45	0.62	0.71	0.77	598
ACDNR3012PHV-220MT	22±20%	100K/1V	0.42	0.52	0.53	0.59	838.5
ACDNR3012PHV-330MT	33±20%	100K/1V	0.36	0.46	0.46	0.5	1138
ACDNR3012PHV-470MT	47±20%	100K/1V	0.27	0.35	0.35	0.4	1885
ACDNR3012PHV-680MT	68±20%	100K/1V	0.24	0.29	0.33	0.37	2171

1. Comply with AEC-Q200

2. Operating Temp: -40~+125°C

3. Storage Temp: -40~+125°C (on board)

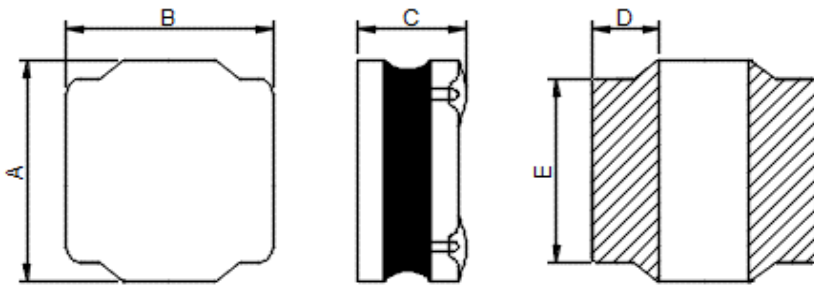
4. All test data referenced to 25°C ambient, Ls: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

ACDNR3012AMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.00	± 0.2
D	0.90	± 0.3
E	2.70	± 0.3

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR3012AMTV-R30MT	0.3±20%	10.5	11.5	5.5	6.4	26.4	22
ACDNR3012AMTV-R33MT	0.33±20%	10	11	5.5	6.4	26.4	22
ACDNR3012AMTV-R47MT	0.47±20%	8.5	9.5	4.7	5.5	36	30
ACDNR3012AMTV-1R0MT	1.0±20%	6.7	7.2	3.7	4.2	51.6	43
ACDNR3012AMTV-1R5MT	1.5±20%	5.7	6.3	3.3	3.6	74	62
ACDNR3012AMTV-2R2MT	2.2±20%	5	5.5	2.7	3	112	92
ACDNR3012AMTV-3R3MT	3.3±20%	4	4.5	2.2	2.5	173	144
ACDNR3012AMTV-4R7MT	4.7±20%	3.3	3.7	1.8	2	234	195

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

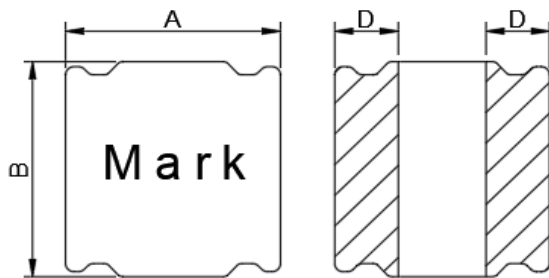
3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:1MHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.50	+0.2/-0.3
D	0.90	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR3015PHV-1R0YT	1.0±30%	100K/1V	2.2	2.85	2.3	2.5	39
ACDNR3015PHV-1R2YT	1.2±30%	100K/1V	1.9	2.2	1.95	2.3	52
ACDNR3015PHV-1R5YT	1.5±30%	100K/1V	1.62	1.82	1.5	1.75	65
ACDNR3015PHV-2R2MT	2.2±20%	100K/1V	1.56	1.78	1.15	1.3	78
ACDNR3015PHV-3R3MT	3.3±20%	100K/1V	1.28	1.75	1.1	1.28	104
ACDNR3015PHV-4R7MT	4.7±20%	100K/1V	1.2	1.35	0.95	1.2	162.5
ACDNR3015PHV-6R8MT	6.8±20%	100K/1V	0.85	1.1	0.85	1.1	260
ACDNR3015PHV-100MT	10±20%	100K/1V	0.75	0.92	0.77	0.9	325
ACDNR3015PHV-120MT	12±20%	100K/1V	0.7	0.9	0.65	0.85	416
ACDNR3015PHV-150MT	15±20%	100K/1V	0.66	0.79	0.65	0.78	494
ACDNR3015PHV-180MT	18±20%	100K/1V	0.56	0.72	0.58	0.72	559
ACDNR3015PHV-220MT	22±20%	100K/1V	0.48	0.6	0.53	0.69	598
ACDNR3015PHV-330MT	33±20%	100K/1V	0.46	0.52	0.45	0.51	1066
ACDNR3015PHV-390MT	39±20%	100K/1V	0.4	0.5	0.4	0.45	1294
ACDNR3015PHV-470MT	47±20%	100K/1V	0.33	0.45	0.35	0.43	1625
ACDNR3015PHV-560MT	56±20%	100K/1V	0.3	0.42	0.32	0.4	1664
ACDNR3015PHV-680MT	68±20%	100K/1V	0.25	0.37	0.23	0.31	3510

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

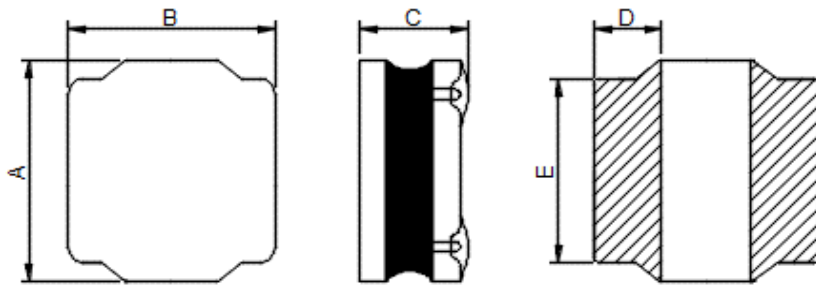
4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDNR3015AMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.30	± 0.2
D	0.90	± 0.3
E	2.70	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR3015AMTV-R47MT	0.47±20%	10	12	5.1	5.8	30	25
ACDNR3015AMTV-R68MT	0.68±20%	9	10	4.7	5.2	38.4	32
ACDNR3015AMTV-1R0MT	1.0±20%	7.8	8.7	4	4.6	50.4	42
ACDNR3015AMTV-1R5MT	1.5±20%	6.9	7.5	3.6	4	66	55
ACDNR3015AMTV-2R2MT	2.2±20%	5.5	6	3.1	3.6	81.6	68
ACDNR3015AMTV-3R3MT	3.3±20%	4.2	4.5	2.6	2.9	140	116
ACDNR3015AMTV-4R7MT	4.7±20%	3.9	4.1	2.1	2.4	190	159
ACDNR3015AMTV-5R6MT	5.6±20%	3.3	3.7	1.9	2.2	240	200
ACDNR3015AMTV-6R8MT	6.8±20%	2.9	3.3	1.8	2.1	260	210
ACDNR3015AMTV-8R2MT	8.2±20%	2.6	3	1.5	1.8	360	300
ACDNR3015AMTV-100MT	10±20%	2.3	2.7	1.3	1.6	444	370

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

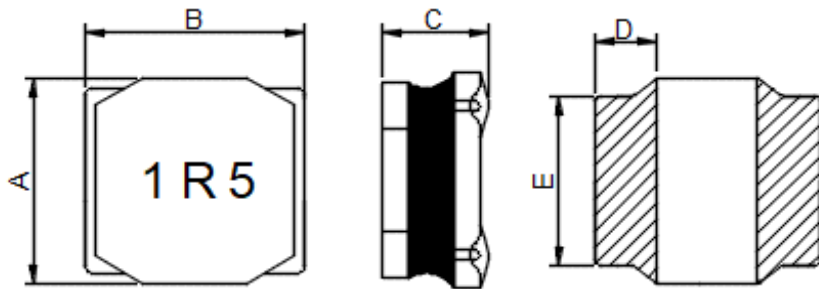
4.All test data referenced to 25℃ ambient,Ls:1MHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDNR4010BMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.00	± 0.2
B	4.00	± 0.2
C	0.90	± 0.1
D	1.20	± 0.3
E	3.50	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR4010BMTV-1R0MT	1.0±20%	2.6	2.8	3	3.5	72	60
ACDNR4010BMTV-2R2MT	2.2±20%	1.6	1.8	2.5	2.8	112	93
ACDNR4010BMTV-3R3MT	3.3±20%	1.3	1.4	2.3	2.5	132	110
ACDNR4010BMTV-4R7MT	4.7±20%	1.2	1.3	2.1	2.3	180	150
ACDNR4010BMTV-6R8MT	6.8±20%	0.9	1	1.6	1.8	240	200
ACDNR4010BMTV-100MT	10±20%	0.8	0.88	1.2	1.4	360	300
ACDNR4010BMTV-150MT	15±20%	0.6	0.65	1	1.2	516	430
ACDNR4010BMTV-220MT	22±20%	0.46	0.53	0.7	0.8	720	600

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

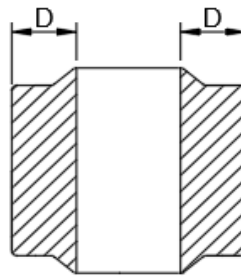
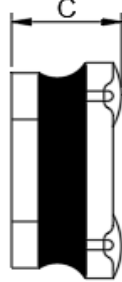
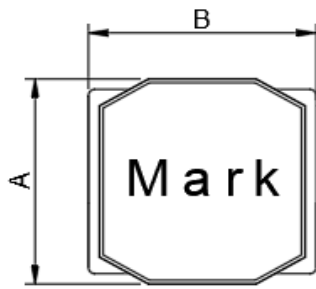
4. All test data referenced to 25°C ambient, Ls: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDNR4012PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.00	± 0.2
B	4.00	± 0.2
C	1.20	+0.2/-0.3
D	1.30	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR4012PHV-1R0MT	1.0±20%	100K/1V	2.61	3.2	1.65	2.5	65
ACDNR4012PHV-2R2MT	2.2±20%	100K/1V	1.76	2.3	1.32	1.9	104
ACDNR4012PHV-3R3MT	3.3±20%	100K/1V	1.72	2.1	1.12	1.6	143
ACDNR4012PHV-4R7MT	4.7±20%	100K/1V	1.15	1.8	1.05	1.5	185
ACDNR4012PHV-5R6MT	5.6±20%	100K/1V	1	1.6	1	1.3	200
ACDNR4012PHV-6R8MT	6.8±20%	100K/1V	0.85	1.4	0.84	1.2	257
ACDNR4012PHV-100MT	10±20%	100K/1V	0.8	1.1	0.77	1	345
ACDNR4012PHV-150MT	15±20%	100K/1V	0.56	0.8	0.64	0.85	442
ACDNR4012PHV-220MT	22±20%	100K/1V	0.46	0.7	0.49	0.75	763

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

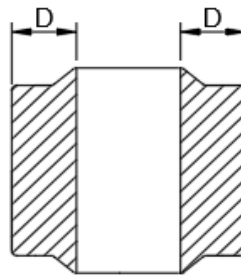
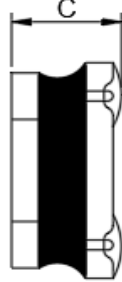
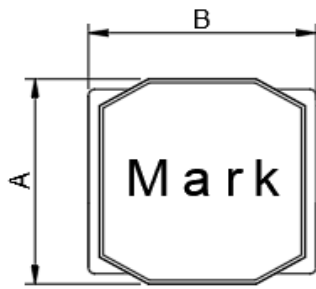
4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDNR4018PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.00	± 0.2
B	4.00	± 0.2
C	1.80	+0.2/-0.3
D	1.30	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR4018PHV-1R0MT	1.0±20%	100K/1V	3.69	4.1	2.52	2.8	38.4
ACDNR4018PHV-1R5MT	1.5±20%	100K/1V	2.97	3.3	2.34	2.6	48
ACDNR4018PHV-1R8MT	1.8±20%	100K/1V	2.5	2.8	2.2	2.5	66
ACDNR4018PHV-2R2MT	2.2±20%	100K/1V	2.52	2.8	2.25	2.5	72
ACDNR4018PHV-3R3MT	3.3±20%	100K/1V	1.98	2.2	1.89	2.1	84
ACDNR4018PHV-4R7MT	4.7±20%	100K/1V	1.8	2	1.53	1.7	108
ACDNR4018PHV-6R8MT	6.8±20%	100K/1V	1.44	1.6	1.35	1.5	143
ACDNR4018PHV-100MT	10±20%	100K/1V	1.26	1.4	1.08	1.2	228
ACDNR4018PHV-150MT	15±20%	100K/1V	0.9	1	0.9	1	300
ACDNR4018PHV-220MT	22±20%	100K/1V	0.81	0.9	0.76	0.85	468
ACDNR4018PHV-330MT	33±20%	100K/1V	0.72	0.8	0.63	0.7	636
ACDNR4018PHV-470MT	47±20%	100K/1V	0.63	0.7	0.5	0.56	864

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

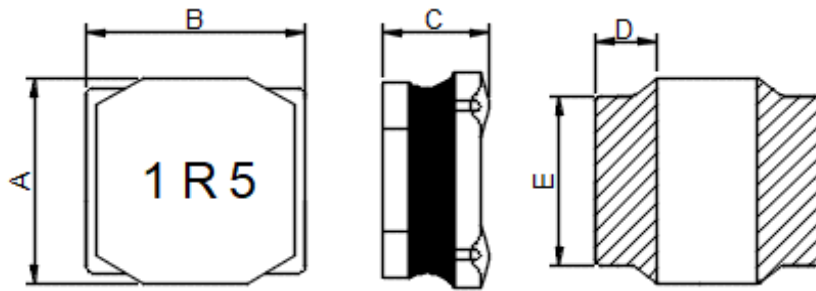
4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDNR4020BMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.00	± 0.2
B	4.00	± 0.2
C	1.80	± 0.2
D	1.20	± 0.3
E	3.40	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR4020BMTV-1R0MT	1.0±20%	100K/1V	4.6	3.8	24	20
ACDNR4020BMTV-1R5MT	1.5±20%	100K/1V	4	3	32	26
ACDNR4020BMTV-2R2MT	2.2±20%	100K/1V	3.5	2.6	42	35
ACDNR4020BMTV-3R3MT	3.3±20%	100K/1V	2.8	2.3	63	52
ACDNR4020BMTV-4R7MT	4.7±20%	100K/1V	2.2	1.9	80	67
ACDNR4020BMTV-5R6MT	5.6±20%	100K/1V	2.1	1.8	99	82
ACDNR4020BMTV-6R8MT	6.8±20%	100K/1V	2	1.7	110	92
ACDNR4020BMTV-8R2MT	8.2±20%	100K/1V	1.7	1.5	132	110
ACDNR4020BMTV-100MT	10±20%	100K/1V	1.6	1.4	168	140
ACDNR4020BMTV-150MT	15±20%	100K/1V	1.3	1	240	200
ACDNR4020BMTV-180MT	18±20%	100K/1V	1.2	0.9	288	240
ACDNR4020BMTV-220MT	22±20%	100K/1V	1.1	0.9	318	265
ACDNR4020BMTV-270MT	27±20%	100K/1V	0.9	0.8	414	345



ACDNR4020BMTV SERIES

ACDNR4020BMTV-330MT	33±20%	100K/1V	0.9	0.75	495	412
ACDNR4020BMTV-470MT	47±20%	100K/1V	0.67	0.55	696	580
ACDNR4020BMTV-680MT	68±20%	100K/1V	0.6	0.47	1140	950
ACDNR4020BMTV-101MT	100±20%	100K/1V	0.5	0.35	1680	1400

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

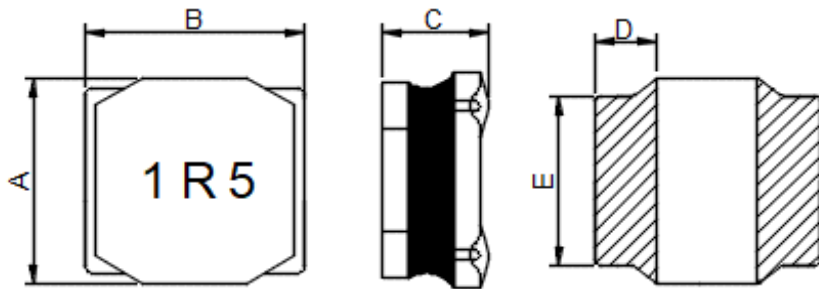
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDNR4020AMTV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.00	± 0.2
B	4.00	± 0.2
C	1.80	± 0.2
D	1.10	± 0.3
E	3.50	± 0.3

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR4020AMTV-R22MT	0.22±20%	19	23	8.2	9.5	10.9	9.5
ACDNR4020AMTV-R47MT	0.47±20%	14	16	7	8	16.1	14
ACDNR4020AMTV-R60MT	0.6±20%	10	13	6.5	7.5	19	17.1
ACDNR4020AMTV-R68MT	0.68±20%	9	12	6.4	7.4	20.7	18
ACDNR4020AMTV-1R0MT	1.0±20%	8.7	11.1	5.8	6.7	26	22
ACDNR4020AMTV-1R5MT	1.5±20%	8	10	5.2	6	36	30
ACDNR4020AMTV-2R2MT	2.2±20%	6.2	7.6	4.3	5	48	40
ACDNR4020AMTV-3R3MT	3.3±20%	4.8	5.9	3.5	4	72	60
ACDNR4020AMTV-4R7MT	4.7±20%	4.3	5.1	2.9	3.3	108	90
ACDNR4020AMTV-6R8MT	6.8±20%	3.7	4.6	2.4	2.8	154	128
ACDNR4020AMTV-100MT	10±20%	3.2	4	2	2.4	216	180

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

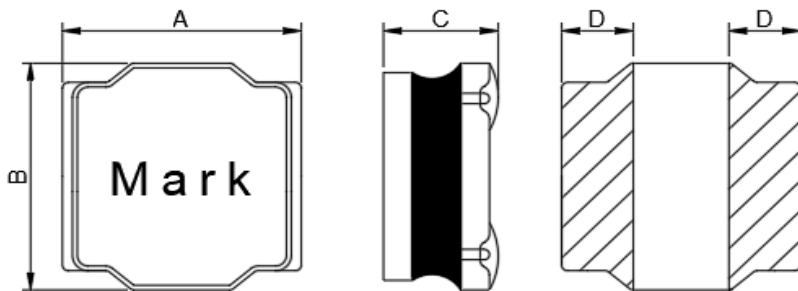
3.Storage Temp:-55~+125℃(on board)

4.All test data referenced to 25℃ ambient,Ls:1MHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.00	± 0.2
B	4.00	± 0.2
C	3.00	Max
D	1.00	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR4030PHV-1R0YT	1.0±30%	100K/1V	5.26	6.2	4.15	4.9	23.4
ACDNR4030PHV-1R5YT	1.5±30%	100K/1V	4.85	6	3.4	3.8	33.8
ACDNR4030PHV-2R2YT	2.2±30%	100K/1V	3.8	4.5	2.9	3.3	45
ACDNR4030PHV-3R3MT	3.3±20%	100K/1V	3.3	4	2.4	2.8	52
ACDNR4030PHV-4R7MT	4.7±20%	100K/1V	2.8	3.2	2	2.5	80
ACDNR4030PHV-5R6MT	5.6±20%	100K/1V	2.6	2.9	1.95	2.3	85
ACDNR4030PHV-6R8MT	6.8±20%	100K/1V	2.1	2.8	1.6	1.9	117
ACDNR4030PHV-100MT	10±20%	100K/1V	1.65	2.1	1.5	1.8	169
ACDNR4030PHV-150MT	15±20%	100K/1V	1.4	1.9	1.1	1.4	247
ACDNR4030PHV-220MT	22±20%	100K/1V	1.3	1.6	1	1.2	290
ACDNR4030PHV-330MT	33±20%	100K/1V	1.1	1.2	0.84	0.98	420
ACDNR4030PHV-470MT	47±20%	100K/1V	0.9	1	0.7	0.9	580
ACDNR4030PHV-680MT	68±20%	100K/1V	0.72	0.83	0.52	0.6	910
ACDNR4030PHV-101MT	100±20%	100K/1V	0.56	0.7	0.45	0.5	1690
ACDNR4030PHV-121MT	120±20%	100K/1V	0.55	0.62	0.42	0.47	1755
ACDNR4030PHV-151MT	150±20%	100K/1V	0.35	0.56	0.3	0.4	3000
ACDNR4030PHV-221MT	220±20%	100K/1V	0.34	0.45	0.3	0.38	3250

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

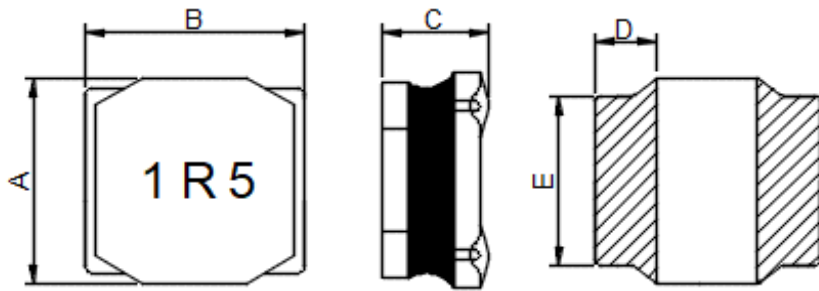
4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDNR5010LPNV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.00	± 0.2
B	5.00	± 0.2
C	0.90	± 0.1
D	1.50	± 0.3
E	4.00	± 0.3

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR5010LPNV-1R0MT	1.0±20%	2.4	2.6	3	3.5	64.8	54
ACDNR5010LPNV-2R2MT	2.2±20%	2.1	2.3	2.5	2.8	108	90
ACDNR5010LPNV-3R3MT	3.3±20%	1.6	1.8	2.3	2.5	130	108
ACDNR5010LPNV-4R7MT	4.7±20%	1.5	1.6	2.1	2.3	180	150
ACDNR5010LPNV-6R8MT	6.8±20%	1.3	1.4	1.7	1.9	234	195
ACDNR5010LPNV-100MT	10±20%	1	1.1	1.4	1.5	294	245
ACDNR5010LPNV-150MT	15±20%	0.8	0.9	1.2	1.3	480	400
ACDNR5010LPNV-220MT	22±20%	0.7	0.8	0.8	0.9	708	590

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

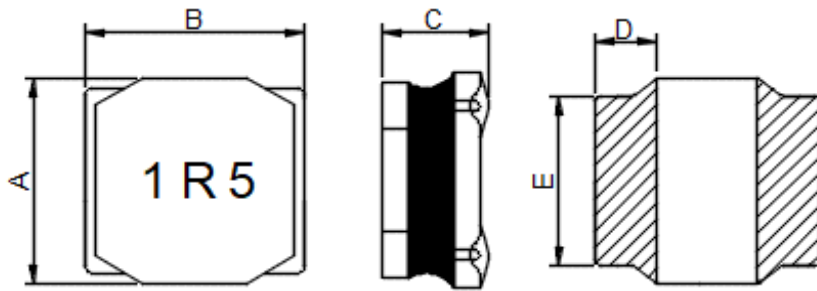
4.All test data referenced to 25℃ ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDNR5012LPNV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.00	± 0.2
B	5.00	± 0.2
C	1.00	± 0.2
D	1.50	± 0.3
E	4.00	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR5012LPNV-1R0MT	1.0±20%	4	4.5	3.5	4	68.4	57
ACDNR5012LPNV-1R5MT	1.5±20%	3.7	4	3.3	3.6	87.6	73
ACDNR5012LPNV-2R2MT	2.2±20%	3.2	3.4	3	3.3	105.6	88
ACDNR5012LPNV-3R3MT	3.3±20%	2.6	2.9	2.4	2.7	174	145
ACDNR5012LPNV-4R7MT	4.7±20%	2.2	2.4	2.1	2.3	216	180
ACDNR5012LPNV-5R6MT	5.6±20%	1.9	2.1	1.8	2	258	215
ACDNR5012LPNV-6R8MT	6.8±20%	1.73	1.85	1.7	1.8	306	255
ACDNR5012LPNV-8R2MT	8.2±20%	1.55	1.65	1.6	1.7	334	278
ACDNR5012LPNV-100MT	10±20%	1.37	1.45	1.4	1.5	480	400
ACDNR5012LPNV-150MT	15±20%	1.22	1.3	1.27	1.35	720	600

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

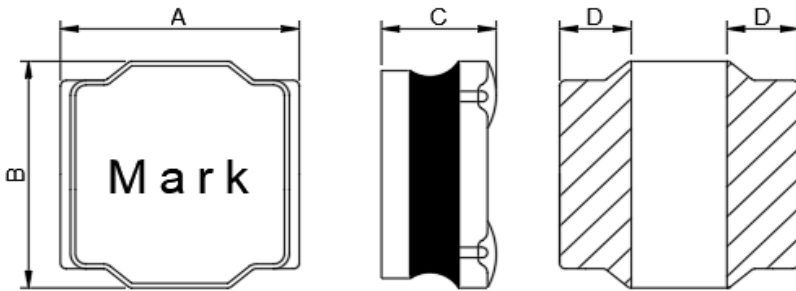
4.All test data referenced to 25℃ ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDNR5020PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.00	± 0.2
B	5.00	± 0.2
C	2.00	+0.2/-0.3
D	1.80	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR5020PHV-1R0YT	1.0±30%	100K/1V	4.8	6.5	3.6	4.5	25.2
ACDNR5020PHV-1R2YT	1.2±30%	100K/1V	4.5	6.3	3.42	4.2	25.2
ACDNR5020PHV-1R5MT	1.5±20%	100K/1V	4.1	5.9	3.15	3.8	31.2
ACDNR5020PHV-2R2MT	2.2±20%	100K/1V	3.3	5	2.88	3.5	42
ACDNR5020PHV-3R3MT	3.3±20%	100K/1V	2.7	3.2	2.52	3	57.6
ACDNR5020PHV-4R7MT	4.7±20%	100K/1V	2.25	2.85	1.98	2.5	72
ACDNR5020PHV-5R6MT	5.6±20%	100K/1V	2.1	2.6	1.8	2.2	98.4
ACDNR5020PHV-6R8MT	6.8±20%	100K/1V	2	2.5	1.62	2	108
ACDNR5020PHV-100MT	10±20%	100K/1V	1.65	2.35	1.44	1.75	144
ACDNR5020PHV-150MT	15±20%	100K/1V	1.17	1.76	1.08	1.5	228
ACDNR5020PHV-220MT	22±20%	100K/1V	0.9	1.15	0.9	1.1	312
ACDNR5020PHV-330MT	33±20%	100K/1V	0.82	1.1	0.67	0.95	552
ACDNR5020PHV-470MT	47±20%	100K/1V	0.78	0.92	0.58	0.85	696

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

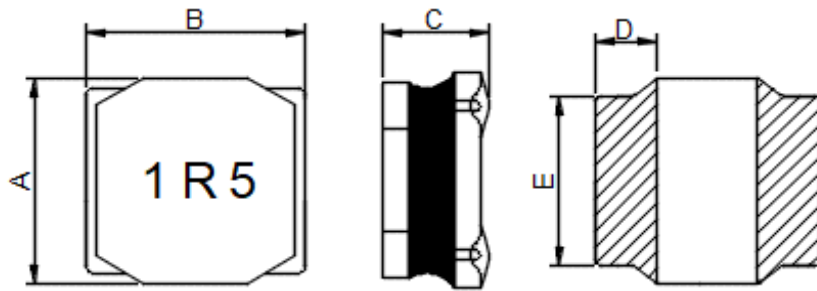
3.Storage Temp:-40~+125°C(on board)

4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.00	± 0.3
B	5.00	± 0.3
C	2.80	± 0.2
D	1.30	± 0.3
E	4.70	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) ±20%
ACDNR5030LPNV-R47MT	0.47±20%	100K/1V	10	8	10
ACDNR5030LPNV-R68MT	0.68±20%	100K/1V	8	6.5	13
ACDNR5030LPNV-1R0MT	1.0±20%	100K/1V	6.5	4.8	16
ACDNR5030LPNV-1R5MT	1.5±20%	100K/1V	6.1	4.2	20
ACDNR5030LPNV-2R2MT	2.2±20%	100K/1V	5.2	3.6	25
ACDNR5030LPNV-3R3MT	3.3±20%	100K/1V	4.2	3.2	34
ACDNR5030LPNV-4R7MT	4.7±20%	100K/1V	3.7	3	45
ACDNR5030LPNV-6R8MT	6.8±20%	100K/1V	3	2.3	62
ACDNR5030LPNV-100MT	10±20%	100K/1V	2.3	2	88
ACDNR5030LPNV-150MT	15±20%	100K/1V	1.8	1.6	107
ACDNR5030LPNV-220MT	22±20%	100K/1V	1.55	1.4	156
ACDNR5030LPNV-330MT	33±20%	100K/1V	1.2	1.1	210
ACDNR5030LPNV-470MT	47±20%	100K/1V	1	0.9	345
ACDNR5030LPNV-101MT	100±20%	100K/1V	0.77	0.75	680

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

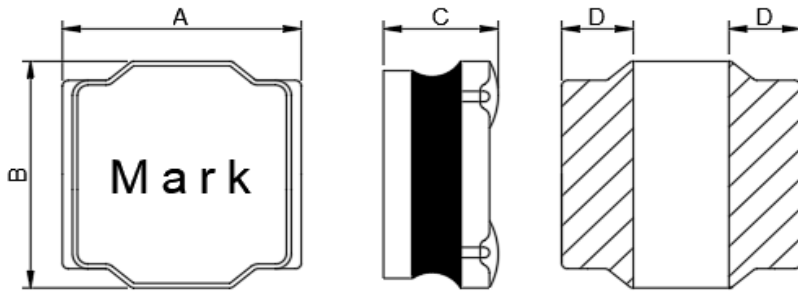
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause L_o to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDNR5040PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.00	± 0.2
B	5.00	± 0.2
C	4.00	+0.2/-0.3
D	1.60	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR5040PHV-1R0YT	1.0±30%	100K/1V	6.75	8.2	4.9	5.2	18.2
ACDNR5040PHV-1R2YT	1.2±30%	100K/1V	6.66	7.4	4.05	4.5	19.5
ACDNR5040PHV-1R5YT	1.5±30%	100K/1V	6.39	7.1	3.96	4.8	20.8
ACDNR5040PHV-2R2MT	2.2±20%	100K/1V	5.13	5.7	3.33	4.3	27.3
ACDNR5040PHV-3R3MT	3.3±20%	100K/1V	4.32	4.8	3.15	3.92	33.8
ACDNR5040PHV-4R7MT	4.7±20%	100K/1V	3.78	4.22	2.88	3.35	41.6
ACDNR5040PHV-6R8MT	6.8±20%	100K/1V	2.97	3.5	2.16	2.8	65
ACDNR5040PHV-100MT	10±20%	100K/1V	2.52	2.82	1.98	2.45	78
ACDNR5040PHV-150MT	15±20%	100K/1V	2.07	2.3	1.62	2	117
ACDNR5040PHV-220MT	22±20%	100K/1V	1.62	1.95	1.26	1.63	175.5
ACDNR5040PHV-270MT	27±20%	100K/1V	1.44	1.6	1.08	1.25	234
ACDNR5040PHV-330MT	33±20%	100K/1V	1.35	1.55	0.99	1.1	247
ACDNR5040PHV-470MT	47±20%	100K/1V	1.08	1.28	0.81	1.05	326
ACDNR5040PHV-101MT	100±20%	100K/1V	0.75	0.92	0.7	0.83	780

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

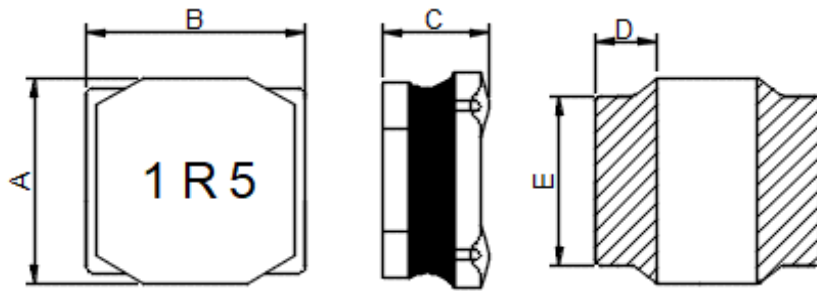
3.Storage Temp:-40~+125°C(on board)

4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.00	± 0.2
B	6.00	± 0.2
C	0.80	± 0.2
D	1.70	± 0.3
E	4.80	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) ±20%
ACDNR6010LPNV-1R5MT	1.5±20%	100K/1V	2.7	2.7	72
ACDNR6010LPNV-2R2MT	2.2±20%	100K/1V	2.3	2.3	100
ACDNR6010LPNV-3R3MT	3.3±20%	100K/1V	2	2	120
ACDNR6010LPNV-4R7MT	4.7±20%	100K/1V	1.8	1.8	155
ACDNR6010LPNV-6R8MT	6.8±20%	100K/1V	1.4	1.4	200
ACDNR6010LPNV-100MT	10±20%	100K/1V	1	1.2	260
ACDNR6010LPNV-220MT	22±20%	100K/1V	0.8	0.9	580

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

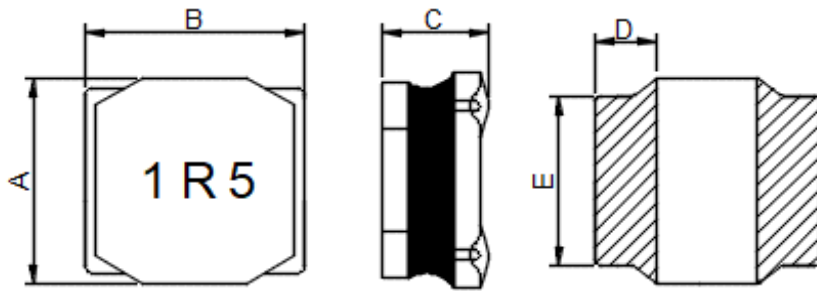
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDNR6012LPNV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.00	± 0.2
B	6.00	± 0.2
C	1.00	± 0.2
D	1.70	± 0.3
E	4.80	± 0.3

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR6012LPNV-1R0MT	1.0±20%	3.9	4.2	4	4.5	60	50
ACDNR6012LPNV-1R5MT	1.5±20%	3.5	3.8	3.5	3.8	79.2	66
ACDNR6012LPNV-2R2MT	2.2±20%	3.1	3.4	3.3	3.6	102	85
ACDNR6012LPNV-2R5MT	2.5±20%	2.8	3.1	3.1	3.4	102	85
ACDNR6012LPNV-3R3MT	3.3±20%	2.4	2.6	2.8	3.1	124	103
ACDNR6012LPNV-4R7MT	4.7±20%	2	2.2	2.5	2.8	148	123
ACDNR6012LPNV-5R3MT	5.3±20%	1.9	2	2.3	2.6	150	125
ACDNR6012LPNV-5R6MT	5.6±20%	1.8	1.9	2.2	2.5	150	125
ACDNR6012LPNV-6R8MT	6.8±20%	1.65	1.75	2	2.3	196	163
ACDNR6012LPNV-8R2MT	8.2±20%	1.55	1.65	1.9	2.1	216	180
ACDNR6012LPNV-100MT	10±20%	1.3	1.4	1.85	2	240	200



ACDNR6012LPNV SERIES

ACDNR6012LPNV-150MT	15±20%	1.1	1.25	1.65	1.85	354	295
ACDNR6012LPNV-220MT	22±20%	0.88	0.95	1.4	1.55	540	450
ACDNR6012LPNV-330MT	33±20%	0.71	0.77	1.2	1.3	696	580
ACDNR6012LPNV-470MT	47±20%	0.6	0.68	1	1.1	1092	910
ACDNR6012LPNV-680MT	68±20%	0.46	0.51	0.8	0.9	1392	1160
ACDNR6012LPNV-101MT	100±20%	0.35	0.39	0.6	0.7	1992	1660

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

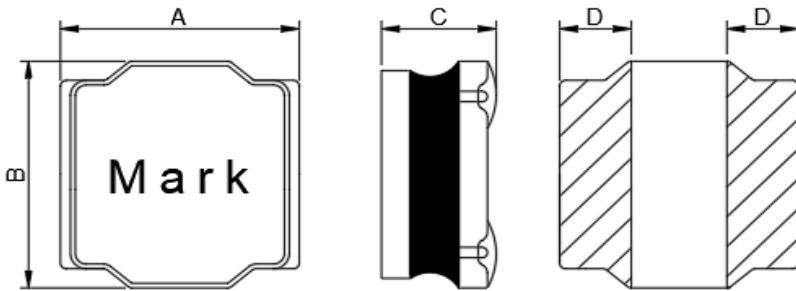
3. Storage Temp: -55~+125°C (on board)

4. All test data referenced to 25°C ambient, Ls: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.00	± 0.2
B	6.00	± 0.2
C	2.00	+0.2/-0.3
D	1.60	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR6020PHV-1R0YT	1.0±30%	100K/1V	5.58	6.2	3.69	4.4	26
ACDNR6020PHV-1R5YT	1.5±30%	100K/1V	4.5	5.8	3.24	4	33.8
ACDNR6020PHV-2R2MT	2.2±20%	100K/1V	4.32	5.6	3.15	3.88	44.2
ACDNR6020PHV-3R3MT	3.3±20%	100K/1V	3.2	4.1	2.43	3.3	52
ACDNR6020PHV-4R7MT	4.7±20%	100K/1V	3	3.89	1.98	2.55	75.4
ACDNR6020PHV-6R8MT	6.8±20%	100K/1V	2.2	3.52	1.62	2.35	110.5
ACDNR6020PHV-100MT	10±20%	100K/1V	1.8	2.55	1.44	1.83	162.5
ACDNR6020PHV-150MT	15±20%	100K/1V	1.25	2.3	1.17	1.52	247
ACDNR6020PHV-220MT	22±20%	100K/1V	0.99	1.51	0.99	1.3	270

1. Comply with AEC-Q200

2. Operating Temp: -40~+125°C

3. Storage Temp: -40~+125°C (on board)

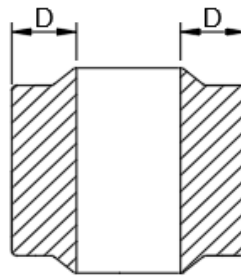
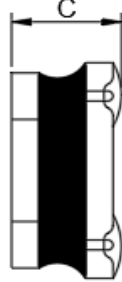
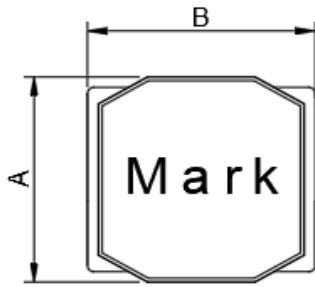
4. All test data referenced to 25°C ambient, Ls: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

ACDNR6028PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.00	± 0.2
B	6.00	± 0.2
C	2.80	+0.2/-0.3
D	1.80	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR6028PHV-1R0YT	1.0±30%	100K/1V	6.84	7.6	4.68	5.86	16.9
ACDNR6028PHV-1R5YT	1.5±30%	100K/1V	5.67	6.8	4.32	5.15	20.8
ACDNR6028PHV-2R2MT	2.2±20%	100K/1V	4.86	5.4	3.6	4.23	26
ACDNR6028PHV-3R3MT	3.3±20%	100K/1V	3.87	4.3	3.15	3.9	36.4
ACDNR6028PHV-4R7MT	4.7±20%	100K/1V	3.33	3.7	2.88	3.45	49.4
ACDNR6028PHV-6R8MT	6.8±20%	100K/1V	2.79	3.1	2.43	2.7	65
ACDNR6028PHV-100MT	10±20%	100K/1V	2.25	2.5	2.07	2.3	84.5
ACDNR6028PHV-150MT	15±20%	100K/1V	1.8	2	1.62	1.8	123.5
ACDNR6028PHV-220MT	22±20%	100K/1V	1.44	1.6	1.35	1.5	175.5
ACDNR6028PHV-330MT	33±20%	100K/1V	1.17	1.45	1.26	1.4	286
ACDNR6028PHV-470MT	47±20%	100K/1V	0.99	1.1	0.9	1	416
ACDNR6028PHV-680MT	68±20%	100K/1V	0.88	0.98	0.81	0.9	546
ACDNR6028PHV-101MT	100±20%	100K/1V	0.6	0.75	0.72	0.8	720

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

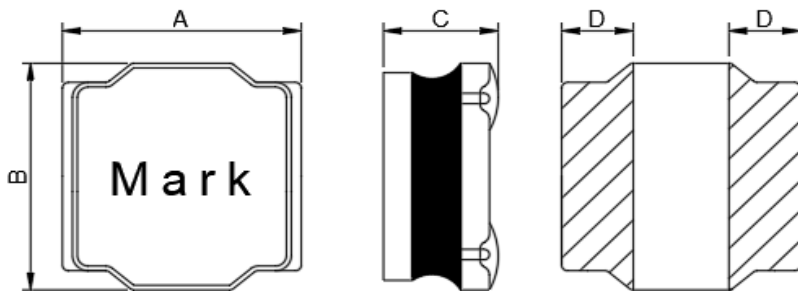
3.Storage Temp:-40~+125°C(on board)

4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.00	± 0.2
B	6.00	± 0.2
C	4.50	+0.2/-0.3
D	1.80	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR6045PHV-1R0YT	1.0±30%	100K/1V	10.98	12.5	5.85	6.5	15.6
ACDNR6045PHV-1R5YT	1.5±30%	100K/1V	9.36	11.4	5.31	5.9	19.5
ACDNR6045PHV-2R2MT	2.2±20%	100K/1V	7.92	9	4.59	5.15	23.92
ACDNR6045PHV-3R3MT	3.3±20%	100K/1V	6.75	7.5	3.87	4.32	31.2
ACDNR6045PHV-4R7MT	4.7±20%	100K/1V	6.03	6.7	3.51	3.9	40.3
ACDNR6045PHV-6R8MT	6.8±20%	100K/1V	4.77	5.35	2.88	3.25	55.9
ACDNR6045PHV-100MT	10±20%	100K/1V	4.05	4.5	2.43	2.7	74.1
ACDNR6045PHV-150MT	15±20%	100K/1V	3.06	3.45	1.98	2.3	104
ACDNR6045PHV-220MT	22±20%	100K/1V	2.7	3	1.71	1.9	162.5
ACDNR6045PHV-330MT	33±20%	100K/1V	2.07	2.35	1.26	1.45	214.5
ACDNR6045PHV-470MT	47±20%	100K/1V	1.71	1.96	1.08	1.27	318.5
ACDNR6045PHV-560MT	56±20%	100K/1V	1.5	1.72	0.99	1.18	403
ACDNR6045PHV-680MT	68±20%	100K/1V	1.44	1.68	0.9	1.1	429
ACDNR6045PHV-101MT	100±20%	100K/1V	1.17	1.35	0.72	0.9	600
ACDNR6045PHV-221MT	220±20%	100K/1V	0.73	0.9	0.55	0.68	1560
ACDNR6045PHV-331MT	330±20%	100K/1V	0.63	0.75	0.5	0.63	2160

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

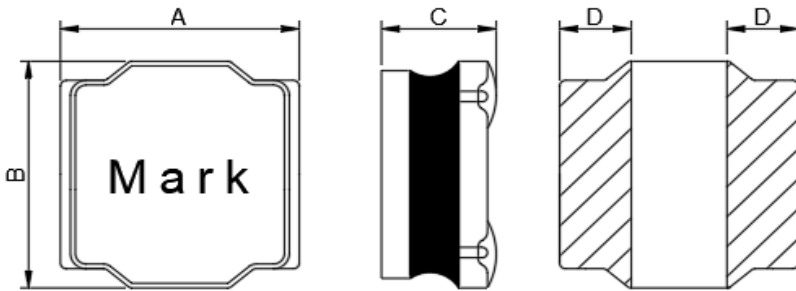
4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDNR8040PHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	8.00	± 0.2
B	8.00	± 0.2
C	4.00	+0.2/-0.3
D	2.45	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDNR8040PHV-1R0YT	1.0±30%	100K/1V	11.7	13	7.15	7.95	9.75
ACDNR8040PHV-1R5YT	1.5±30%	100K/1V	9	10	6.93	7.7	12.35
ACDNR8040PHV-2R2MT	2.2±20%	100K/1V	8.28	9.5	6.48	7.2	14.95
ACDNR8040PHV-3R3MT	3.3±20%	100K/1V	6.75	7.5	5.4	6	19.5
ACDNR8040PHV-4R7MT	4.7±20%	100K/1V	5.4	6	4.95	5.5	23.4
ACDNR8040PHV-6R8MT	6.8±20%	100K/1V	4.86	5.4	4.59	5.1	32.5
ACDNR8040PHV-100MT	10±20%	100K/1V	3.87	4.3	3.42	3.8	49.4
ACDNR8040PHV-150MT	15±20%	100K/1V	3.24	3.6	2.88	3.2	65
ACDNR8040PHV-220MT	22±20%	100K/1V	2.52	2.8	2.34	2.6	104
ACDNR8040PHV-330MT	33±20%	100K/1V	2.07	2.4	1.8	2	143
ACDNR8040PHV-470MT	47±20%	100K/1V	1.71	2	1.57	1.75	208
ACDNR8040PHV-680MT	68±20%	100K/1V	1.53	1.7	1.3	1.45	288
ACDNR8040PHV-101MT	100±20%	100K/1V	1.26	1.4	0.99	1.1	408
ACDNR8040PHV-121MT	120±20%	100K/1V	0.99	1.1	0.9	1	552.5
ACDNR8040PHV-151MT	150±20%	100K/1V	0.9	1	0.81	0.9	576
ACDNR8040PHV-221MT	220±20%	100K/1V	0.84	0.94	0.76	0.88	804

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

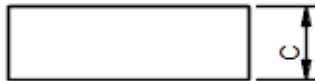
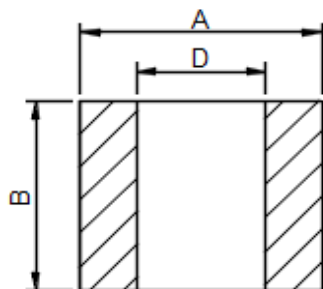
3.Storage Temp:-40~+125°C(on board)

4.All test data referenced to 25°C ambient,Ls:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.00	± 0.2
B	0.50	± 0.2
C	0.50	Max
D	0.40	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR100505HCV-R47MT	0.47±20%	1M/1V	1.30	1.50	1.20	1.30	220	190

1.Comply with AEC-Q200

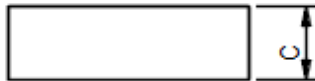
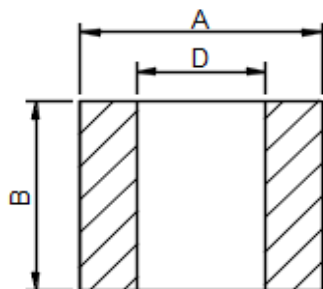
2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.00	± 0.2
B	0.50	± 0.2
C	0.60	Max
D	0.40	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR100506HCV-R47MT	0.47±20%	1M/1V	1.55	1.65	1.40	1.50	190	160
ACDMR100506HCV-1R0MT	1.0±20%	1M/1V	1.05	1.15	0.80	1.00	320	280

1. Comply with AEC-Q200

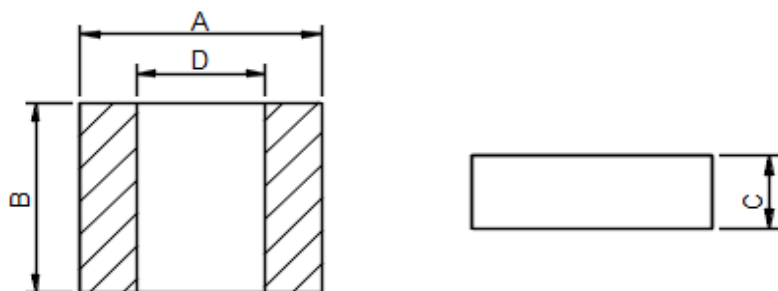
2. Operating Temp: -55~+125℃

3. Storage Temp: -55~+125℃ (on board)

4. Saturation Rated Current: DC current(A) that will cause L_o to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.40	± 0.2
B	1.20	± 0.2
C	0.65	Max
D	0.50	± 0.2

ELECTRICAL CHARACTERISTICS:



Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR1412065HCV-R10MT	0.1±20%	1M/1V	6.5	7.0	6.0	6.5	16.5	13.5
ACDMR1412065HCV-R15MT	0.15±20%	1M/1V	5.5	6.0	5.4	5.9	19.5	16
ACDMR1412065HCV-R24MT	0.24±20%	1M/1V	5.0	5.5	6.0	6.5	27	23
ACDMR1412065HCV-R33MT	0.33±20%	1M/1V	4.0	4.4	4.2	4.4	32	26
ACDMR1412065HCV-R47MT	0.47±20%	1M/1V	3.0	3.4	2.7	3.0	45	37

1. Comply with AEC-Q200

2. Operating Temp: -55~+125℃

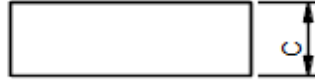
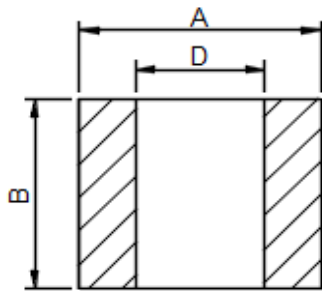
3. Storage Temp: -55~+125℃ (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

ACDMR141208HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.40	± 0.2
B	1.20	± 0.2
C	0.80	Max
D	0.50	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR141208HCV-R10MT	0.1±20%	1M/1V	8.0	8.5	7.5	8.0	14	11.5
ACDMR141208HCV-R24MT	0.24±20%	1M/1V	5.7	6.0	3.7	4.1	27	22
ACDMR141208HCV-R33MT	0.33±20%	1M/1V	5.0	5.3	3.5	4.0	28	23
ACDMR141208HCV-R47MT	0.47±20%	1M/1V	4.2	4.6	3.3	3.8	35	29
ACDMR141208HCV-R68MT	0.68±20%	1M/1V	3.2	3.5	3	3.5	57	51
ACDMR141208HCV-1R0MT	1.0±20%	1M/1V	2.5	3.0	2.5	3.0	77	65
ACDMR141208HCV-2R2MT	2.2±20%	1M/1V	1.7	1.9	1.8	2.0	225	200
ACDMR141208HCV-3R3MT	3.3±20%	1M/1V	1.4	1.6	1.3	1.5	345	300
ACDMR141208HCV-4R7MT	4.7±20%	1M/1V	1.2	1.3	1	1.1	530	465

1. Comply with AEC-Q200

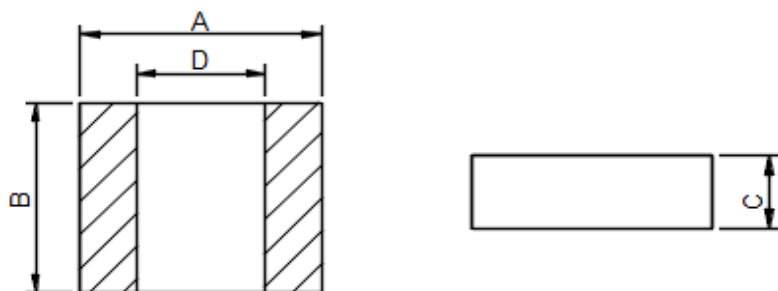
2. Operating Temp: -55~+125℃

3. Storage Temp: -55~+125℃ (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.60	± 0.2
B	0.80	± 0.2
C	0.65	Max
D	0.60	± 0.2

ELECTRICAL CHARACTERISTICS:



Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR1608065HCV-R22MT	0.22±20%	1M/1V	4.5	5.0	3.5	4.0	43	35
ACDMR1608065HCV-R47MT	0.47±20%	1M/1V	3.0	3.3	2.0	2.3	82	66
ACDMR1608065HCV-1R0MT	1.0±20%	1M/1V	2.0	2.4	1.5	1.8	200	180
ACDMR1608065HCV-2R2MT	2.2±20%	1M/1V	1.3	1.6	1.1	1.3	430	390

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

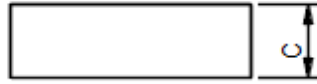
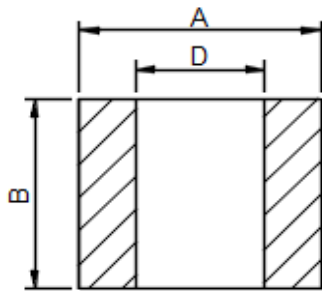
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR160808HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	1.60	± 0.2
B	0.80	± 0.2
C	0.80	Max
D	0.60	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR160808HCV-R18MT	0.18±20%	1M/1V	5.5	6.0	5.2	5.8	21	17
ACDMR160808HCV-R22MT	0.22±20%	1M/1V	5.0	5.5	3.0	3.4	40	33
ACDMR160808HCV-R24MT	0.24±20%	1M/1V	4.8	5.3	2.9	3.3	41	34
ACDMR160808HCV-R33MT	0.33±20%	1M/1V	4.4	4.7	4.3	4.7	35	30
ACDMR160808HCV-R47MT	0.47±20%	1M/1V	3.7	4.1	2.3	2.6	100	80
ACDMR160808HCV-R56MT	0.56±20%	1M/1V	3.5	4.0	1.9	2.2	110	85
ACDMR160808HCV-R68MT	0.68±20%	1M/1V	3.0	3.3	1.9	2.1	130	110
ACDMR160808HCV-1R0MT	1.0±20%	1M/1V	2.6	3.0	1.8	2.1	200	180
ACDMR160808HCV-1R5MT	1.5±20%	1M/1V	2.0	2.4	1.4	1.7	285	240
ACDMR160808HCV-2R2MT	2.2±20%	1M/1V	1.3	1.5	1.2	1.4	260	220
ACDMR160808HCV-3R3MT	3.3±20%	1M/1V	1.2	1.4	0.9	1.0	600	500
ACDMR160808HCV-4R7MT	4.7±20%	1M/1V	1.0	1.2	0.8	1.0	700	585
ACDMR160808HCV-100MT	10.0±20%	1M/1V	0.7	0.8	0.45	0.5	1600	1450

1.Comply with AEC-Q200

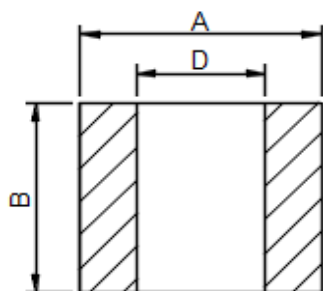
2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.20	± 0.2
C	0.65	Max
D	0.60	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR2012065HCV-R15MT	0.15±20%	1M/1V	6.0	6.5	5.5	6.0	14	12
ACDMR2012065HCV-R24MT	0.24±20%	1M/1V	4.8	5.1	4.5	4.8	20	17
ACDMR2012065HCV-R33MT	0.33±20%	1M/1V	4.3	4.6	4.0	4.3	35	30
ACDMR2012065HCV-R47MT	0.47±20%	1M/1V	3.8	4.1	3.5	3.8	44	37
ACDMR2012065HCV-R68MT	0.68±20%	1M/1V	3.2	3.5	3.0	3.3	60	50
ACDMR2012065HCV-1R0MT	1.0±20%	1M/1V	2.5	2.8	2.3	2.6	86	78
ACDMR2012065HCV-1R5MT	1.5±20%	1M/1V	2.0	2.3	1.8	2.1	135	115
ACDMR2012065HCV-2R2MT	2.2±20%	1M/1V	1.5	1.8	1.4	1.7	230	215
ACDMR2012065HCV-4R7MT	4.7±20%	1M/1V	1.0	1.2	0.9	1.1	530	470
ACDMR2012065HCV-100MT	10±20%	1M/1V	0.6	0.8	0.5	0.6	1500	1300

1.Comply with AEC-Q200

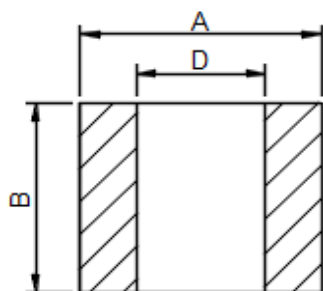
2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.20	± 0.2
C	0.80	Max
D	0.60	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR201208HCV-R11MT	0.11±20%	1M/1V	9.0	9.5	6.5	7.0	12	10
ACDMR201208HCV-R15MT	0.15±20%	1M/1V	7.0	7.5	6.3	6.8	13	11
ACDMR201208HCV-R24MT	0.24±20%	1M/1V	6.0	6.5	5.9	6.5	23	18
ACDMR201208HCV-R33MT	0.33±20%	1M/1V	4.8	5.2	4.0	4.3	45	33
ACDMR201208HCV-R47MT	0.47±20%	1M/1V	4.6	5.0	3.3	3.5	50	34
ACDMR201208HCV-R68MT	0.68±20%	1M/1V	3.7	4.2	3.3	3.7	60	50
ACDMR201208HCV-1R0MT	1.0±20%	1M/1V	3.5	4.0	2.9	3.3	70	55
ACDMR201208HCV-1R5MT	1.5±20%	1M/1V	2.5	3.0	1.9	2.2	135	118
ACDMR201208HCV-2R2MT	2.2±20%	1M/1V	2.3	2.6	1.8	2.2	185	160
ACDMR201208HCV-3R3MT	3.3±20%	1M/1V	1.6	1.9	1.5	1.8	300	253
ACDMR201208HCV-4R7MT	4.7±20%	1M/1V	1.4	1.6	1.5	1.7	325	285
ACDMR201208HCV-6R8MT	6.8±20%	1M/1V	1.1	1.3	1.0	1.1	530	460
ACDMR201208HCV-100MT	10±20%	1M/1V	0.8	0.9	0.7	0.8	800	700

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

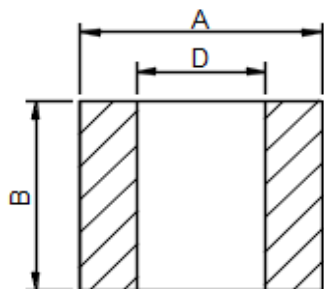
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR201210HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.20	± 0.2
C	1.00	Max
D	0.60	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR201210HCV-R10MT	0.1±20%	1M/1V	8.0	8.5	7.0	7.5	13	8
ACDMR201210HCV-R22MT	0.22±20%	1M/1V	6.8	7.3	6.5	7.1	22	16
ACDMR201210HCV-R24MT	0.24±20%	1M/1V	6.7	7.2	6.4	7.0	23	17
ACDMR201210HCV-R33MT	0.33±20%	1M/1V	6.0	6.5	5.0	5.5	32	24
ACDMR201210HCV-R47MT	0.47±20%	1M/1V	5.0	5.5	4.3	4.7	36	29
ACDMR201210HCV-R56MT	0.56±20%	1M/1V	4.8	5.2	4.7	5.3	31	26
ACDMR201210HCV-R68MT	0.68±20%	1M/1V	4.5	5.0	4.0	4.3	43	37
ACDMR201210HCV-1R0MT	1.0±20%	1M/1V	3.5	4.0	3.5	3.9	63	55
ACDMR201210HCV-1R2MT	1.2±20%	1M/1V	3.0	3.3	2.9	3.2	75	65
ACDMR201210HCV-1R5MT	1.5±20%	1M/1V	2.7	3.2	2.6	3.1	85	76
ACDMR201210HCV-2R2MT	2.2±20%	1M/1V	2.4	2.7	1.7	2.0	150	135
ACDMR201210HCV-3R3MT	3.3±20%	1M/1V	1.8	2.2	1.5	1.8	260	210
ACDMR201210HCV-4R7MT	4.7±20%	1M/1V	1.6	1.8	1.4	1.6	300	275
ACDMR201210HCV-6R8MT	6.8±20%	1M/1V	1.2	1.45	1.3	1.5	520	440
ACDMR201210HCV-100MT	10±20%	1M/1V	1.0	1.2	1.0	1.1	660	600

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

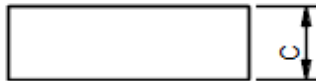
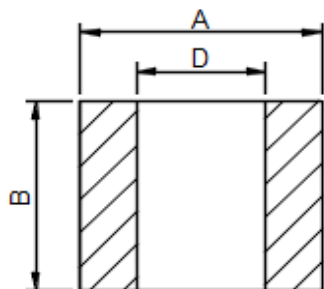
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR201608HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.60	± 0.2
C	0.80	Max
D	0.60	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR201608HCV-R22MT	0.22±20%	1M/1V	5.6	6.1	5.9	6.6	19	14
ACDMR201608HCV-R24MT	0.24±20%	1M/1V	5.5	6.0	5.8	6.5	20	14
ACDMR201608HCV-R33MT	0.33±20%	1M/1V	5.3	5.8	4.8	5.5	24	18
ACDMR201608HCV-R47MT	0.47±20%	1M/1V	5.0	5.5	4.4	4.6	27	24
ACDMR201608HCV-R68MT	0.68±20%	1M/1V	4.2	4.6	3.5	3.8	44	39
ACDMR201608HCV-1R0MT	1.0±20%	1M/1V	3.1	3.3	3.3	3.6	60	53
ACDMR201608HCV-1R5MT	1.5±20%	1M/1V	2.8	3.0	2.8	3.1	85	73
ACDMR201608HCV-2R2MT	2.2±20%	1M/1V	2.3	2.5	2.0	2.2	140	123
ACDMR201608HCV-3R3MT	3.3±20%	1M/1V	1.8	2.1	1.5	1.8	220	200
ACDMR201608HCV-4R7MT	4.7±20%	1M/1V	1.5	1.7	1.4	1.6	290	260
ACDMR201608HCV-100MT	10.0±20%	1M/1V	0.9	1.0	0.9	1.0	800	690

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

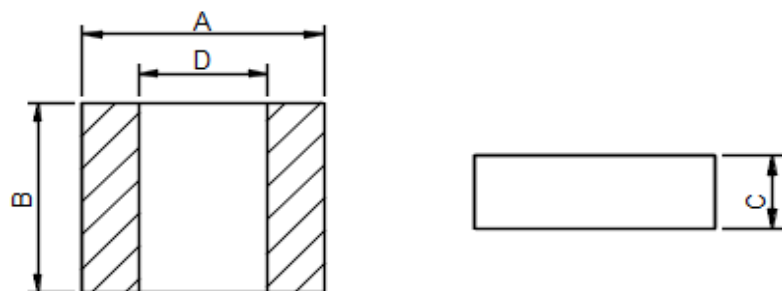
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR201610HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.60	± 0.2
C	1.00	Max
D	0.60	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR201610HCV-R10MT	0.1±20%	1M/1V	8.4	9.0	8.0	8.5	12	7
ACDMR201610HCV-R15MT	0.15±20%	1M/1V	8.0	8.7	7.0	7.6	14	8
ACDMR201610HCV-R22MT	0.22±20%	1M/1V	7.5	8.2	6.3	6.9	18	11
ACDMR201610HCV-R24MT	0.24±20%	1M/1V	7.4	8.0	6.2	6.8	19	12
ACDMR201610HCV-R33MT	0.33±20%	1M/1V	6.5	7.0	5.3	5.7	22	17
ACDMR201610HCV-R47MT	0.47±20%	1M/1V	5.5	6.3	5.0	5.5	25	22
ACDMR201610HCV-R68MT	0.68±20%	1M/1V	4.7	5.2	4.3	4.6	32	25
ACDMR201610HCV-1R0MT	1.0±20%	1M/1V	4.2	4.6	4.1	4.5	43	35
ACDMR201610HCV-1R5MT	1.5±20%	1M/1V	2.9	3.2	2.3	2.6	100	80
ACDMR201610HCV-2R2MT	2.2±20%	1M/1V	2.8	3.0	2.1	2.5	130	120
ACDMR201610HCV-3R3MT	3.3±20%	1M/1V	2.0	2.3	1.5	1.7	170	140
ACDMR201610HCV-4R7MT	4.7±20%	1M/1V	1.8	2.0	1.4	1.6	220	190
ACDMR201610HCV-100MT	10±20%	1M/1V	1.1	1.4	0.7	1.0	580	483

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

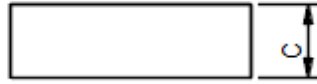
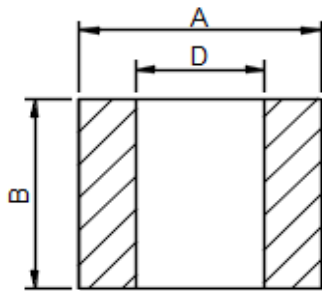
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR201612HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.00	± 0.2
B	1.60	± 0.2
C	1.20	Max
D	0.60	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR201612HCV-R10MT	0.1±20%	1M/1V	11.5	13.0	10.0	12.0	6	4
ACDMR201612HCV-R15MT	0.15±20%	1M/1V	10.5	12.0	9.0	10.0	10	7.5
ACDMR201612HCV-R22MT	0.22±20%	1M/1V	9.2	9.7	8.8	9.3	10.5	8.5
ACDMR201612HCV-R24MT	0.24±20%	1M/1V	8.7	9.2	8.6	9.1	11	9
ACDMR201612HCV-R33MT	0.33±20%	1M/1V	7.3	7.8	7.2	7.7	15	10
ACDMR201612HCV-R47MT	0.47±20%	1M/1V	6.0	6.7	6.0	6.7	17	13
ACDMR201612HCV-R68MT	0.68±20%	1M/1V	5.3	6.0	5.3	6.0	23	19
ACDMR201612HCV-1R0MT	1.0±20%	1M/1V	4.5	5.0	4.5	5.0	36	30
ACDMR201612HCV-1R5MT	1.5±20%	1M/1V	3.5	4.0	3.5	4.0	50	40
ACDMR201612HCV-2R2MT	2.2±20%	1M/1V	2.7	3.1	2.9	3.3	90	77
ACDMR201612HCV-3R3MT	3.3±20%	1M/1V	2.3	2.7	2.0	2.4	165	135
ACDMR201612HCV-4R7MT	4.7±20%	1M/1V	2.0	2.2	1.8	2.0	185	160
ACDMR201612HCV-6R8MT	6.8±20%	1M/1V	1.7	1.9	1.7	1.8	300	255
ACDMR201612HCV-100MT	10±20%	1M/1V	1.3	1.4	1.2	1.3	460	410

1. Comply with AEC-Q200

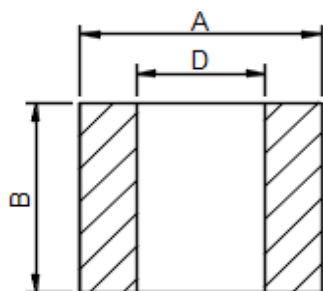
2. Operating Temp: -55~+125℃

3. Storage Temp: -55~+125℃ (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	0.80	Max
D	0.80	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR252008HCV-R47MT	0.47±20%	1M/1V	5.3	6.0	6.0	6.5	27	22
ACDMR252008HCV-R68MT	0.68±20%	1M/1V	4.5	5.0	4.4	4.9	32	27
ACDMR252008HCV-1R0MT	1.0±20%	1M/1V	4.0	4.5	4.0	4.3	40	34
ACDMR252008HCV-1R5MT	1.5±20%	1M/1V	3.0	3.5	3.0	3.4	75	64
ACDMR252008HCV-2R2MT	2.2±20%	1M/1V	2.6	3.0	2.6	3.0	77	69
ACDMR252008HCV-3R3MT	3.3±20%	1M/1V	2.1	2.5	2.1	2.5	180	150
ACDMR252008HCV-4R7MT	4.7±20%	1M/1V	1.5	1.9	1.5	2.0	215	180
ACDMR252008EHCV-6R8MT	6.8±20%	1M/1V	1.2	1.4	1.1	1.3	300	260
ACDMR252008HCV-100MT	10±20%	1M/1V	0.9	1.1	1.2	1.4	600	500

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

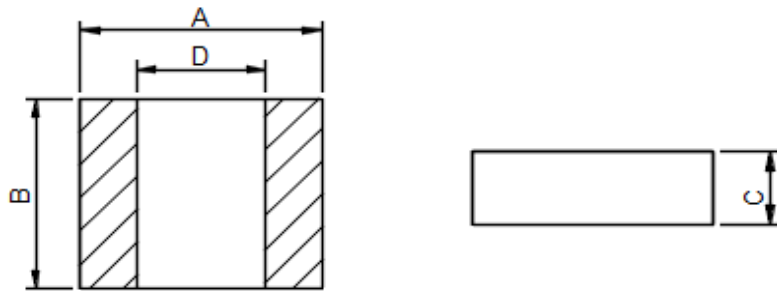
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDMR252010HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	1.00	Max
D	0.70	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR252010HCV-R22MT	0.22±20%	1M/1V	7.9	8.6	6.5	6.8	17	12
ACDMR252010HCV-R24MT	0.24±20%	1M/1V	7.8	8.5	6.4	6.7	17.5	12
ACDMR252010HCV-R33MT	0.33±20%	1M/1V	7.2	7.6	6.2	6.5	19	13
ACDMR252010HCV-R47MT	0.47±20%	1M/1V	6.5	6.9	5.6	6.1	22	15
ACDMR252010HCV-R68MT	0.68±20%	1M/1V	5.5	5.9	5.0	5.6	27	23
ACDMR252010HCV-1R0MT	1.0±20%	1M/1V	4.8	5.3	4.1	4.5	30	25
ACDMR252010HCV-1R5MT	1.5±20%	1M/1V	3.9	4.3	3.0	3.4	55	45
ACDMR252010HCV-2R2MT	2.2±20%	1M/1V	3.0	3.3	2.1	2.4	70	62
ACDMR252010HCV-3R3MT	3.3±20%	1M/1V	2.5	2.8	2.1	2.5	100	86
ACDMR252010HCV-4R7MT	4.7±20%	1M/1V	2.0	2.6	1.6	2.0	180	160
ACDMR252010HCV-6R8MT	6.8±20%	1M/1V	1.9	2.4	1.4	1.6	320	270
ACDMR252010HCV-100MT	10.0±20%	1M/1V	1.40	1.55	0.95	1.05	560	500
ACDMR252010HCV-220MT	22.0±20%	1M/1V	0.90	1.10	0.60	0.85	1300	1100

1. Comply with AEC-Q200

2. Operating Temp: -55~+125℃

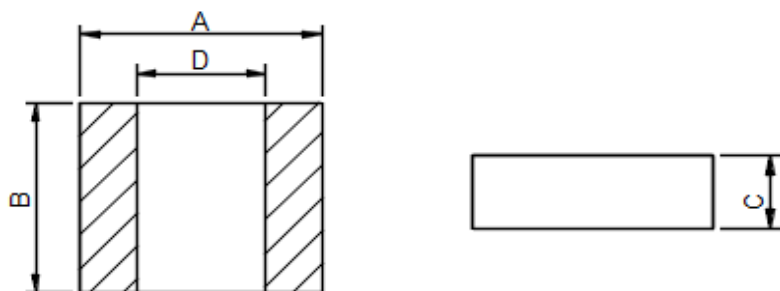
3. Storage Temp: -55~+125℃ (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

ACDMR252012HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.50	± 0.2
B	2.00	± 0.2
C	1.20	Max
D	0.70	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR252012HCV-R10MT	0.1±20%	1M/1V	12.5	13.5	10.5	12.0	10	6
ACDMR252012HCV-R15MT	0.15±20%	1M/1V	12.0	13.0	10.0	11.5	11	7
ACDMR252012HCV-R22MT	0.22±20%	1M/1V	9.0	9.6	7.6	8.2	14	9
ACDMR252012HCV-R24MT	0.24±20%	1M/1V	8.8	9.3	7.5	8.0	15	10
ACDMR252012HCV-R33MT	0.33±20%	1M/1V	7.8	8.3	6.4	6.8	17	11
ACDMR252012HCV-R47MT	0.47±20%	1M/1V	7.0	7.5	6.0	6.5	19	13
ACDMR252012HCV-R68MT	0.68±20%	1M/1V	6.0	6.5	5.5	6.3	23	17
ACDMR252012HCV-R82MT	0.82±20%	1M/1V	5.8	6.5	5.3	5.8	24	19
ACDMR252012HCV-1R0MT	1.0±20%	1M/1V	5.0	5.6	3.6	4.0	42	35
ACDMR252012HCV-1R5MT	1.5±20%	1M/1V	4.1	4.5	3.2	3.7	50	44
ACDMR252012HCV-2R2MT	2.2±20%	1M/1V	3.3	3.8	2.7	3.0	65	55
ACDMR252012HCV-3R3MT	3.3±20%	1M/1V	2.7	3.0	1.8	2.3	97	80
ACDMR252012HCV-4R7MT	4.7±20%	1M/1V	2.1	2.4	1.5	1.8	170	150
ACDMR252012HCV-6R8MT	6.8±20%	1M/1V	1.7	2.0	1.4	1.6	270	245
ACDMR252012HCV-100MT	10.0±20%	1M/1V	1.45	1.60	1.05	1.20	400	330

1. Comply with AEC-Q200

2. Operating Temp:-55~+125℃

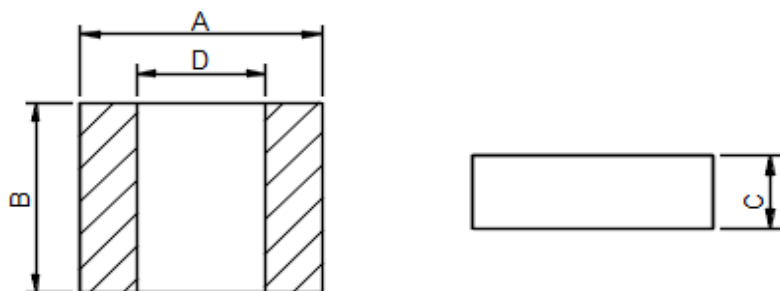
3. Storage Temp:-55~+125℃(on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

ACDMR0310FHCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.00	Max
D	0.90	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0310FHCV-1R0MT	1.0±20%	1M/1V	4.8	5.3	6.5	7.0	35	30
ACDMR0310FHCV-2R2MT	2.2±20%	1M/1V	3.5	4.0	4.5	5.0	66	55
ACDMR0310FHCV-3R3MT	3.3±20%	1M/1V	2.8	3.1	3.0	3.4	102	86
ACDMR0310FHCV-4R7MT	4.7±20%	1M/1V	2.3	2.7	2.8	3.2	140	120
ACDMR0310FHCV-6R8MT	6.8±20%	1M/1V	1.5	1.8	1.8	2.1	270	225
ACDMR0310FHCV-100MT	10.0±20%	1M/1V	1.3	1.6	1.7	2.0	360	320

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

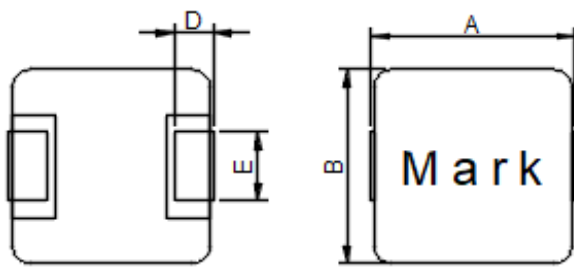
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR0312TV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.50	±0.30
B	3.20	±0.30
C	1.20	Max
D	0.70	±0.20
E	1.20	±0.20

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0312TV-R47MT	0.47±20%	100K/1V	7.2	5	30	25
ACDMR0312TV-R56MT	0.56±20%	100K/1V	6.6	4.5	36	31
ACDMR0312TV-R68MT	0.68±20%	100K/1V	6.1	4	40	34
ACDMR0312TV-R82MT	0.82±20%	100K/1V	5.8	3.5	48	41
ACDMR0312TV-1R0MT	1.0±20%	100K/1V	5.5	3.3	60	50
ACDMR0312TV-1R5MT	1.5±20%	100K/1V	4	3	85	71
ACDMR0312TV-2R2MT	2.2±20%	100K/1V	3.4	2.7	115	98
ACDMR0312TV-3R3MT	3.3±20%	100K/1V	3.1	2	210	191
ACDMR0312TV-4R7MT	4.7±20%	100K/1V	2.8	1.6	293	266
ACDMR0312TV-5R6MT	5.6±20%	100K/1V	2.2	1.5	360	310
ACDMR0312TV-6R8MT	6.8±20%	100K/1V	2	1.4	400	360
ACDMR0312TV-8R2MT	8.2±20%	100K/1V	1.7	1.2	463	420
ACDMR0312TV-100MT	10±20%	100K/1V	1.4	1	550	498

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

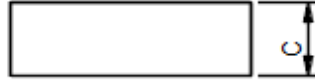
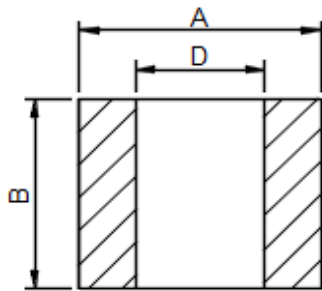
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR0312FHCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.20	Max
D	0.90	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0312FHCV-R10MT	0.1±20%	1M/1V	18.0	20.0	17.0	18.0	6	5
ACDMR0312FHCV-R33MT	0.33±20%	1M/1V	10.0	11.0	9.0	10.0	10.5	8.5
ACDMR0312FHCV-R47MT	0.47±20%	1M/1V	8.0	8.5	10.0	11.0	11	9
ACDMR0312FHCV-R68MT	0.68±20%	1M/1V	6.5	7.0	7.0	7.5	16	14
ACDMR0312FHCV-1R0MT	1.0±20%	1M/1V	5.5	6.0	5.0	5.5	27	23
ACDMR0312FHCV-1R5MT	1.5±20%	1M/1V	5.0	5.5	5.5	6.0	34	29
ACDMR0312FHCV-2R2MT	2.2±20%	1M/1V	4.5	5.0	4.3	4.8	50	42
ACDMR0312FHCV-3R3MT	3.3±20%	1M/1V	3.5	4.0	3.3	3.8	85	72
ACDMR0312FHCV-4R7MT	4.7±20%	1M/1V	2.5	3.0	2.5	3.0	120	100
ACDMR0312FHCV-100MT	10.0±20%	1M/1V	2.0	2.3	1.9	2.3	220	192
ACDMR0312FHCV-150MT	15.0±20%	1M/1V	1.6	1.9	1.3	1.6	380	345

1. Comply with AEC-Q200

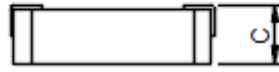
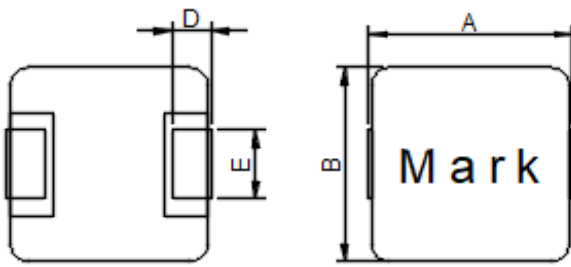
2. Operating Temp: -55~+125℃

3. Storage Temp: -55~+125℃ (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.50	±0.40
B	3.20	±0.30
C	1.50	Max
D	0.70	±0.20
E	1.20	±0.20

ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0315THV-R22MT	0.22±20%	100K/1V	10.8	7	17	14
ACDMR0315THV-R47MT	0.47±20%	100K/1V	8	5.5	28	23.3
ACDMR0315THV-R56MT	0.56±20%	100K/1V	7.2	5	33	28
ACDMR0315THV-R68MT	0.68±20%	100K/1V	6.5	4.5	42	34
ACDMR0315THV-1R0MT	1.0±20%	100K/1V	5.8	3.6	50	41
ACDMR0315THV-1R5MT	1.5±20%	100K/1V	4	3.4	77	64
ACDMR0315THV-2R2MT	2.2±20%	100K/1V	3.8	3.2	98	82
ACDMR0315THV-3R3MT	3.3±20%	100K/1V	3.2	2.5	205	170
ACDMR0315THV-4R7MT	4.7±20%	100K/1V	2.8	1.9	264	220
ACDMR0315THV-5R6MT	5.6±20%	100K/1V	2.3	1.7	318	265
ACDMR0315THV-6R8MT	6.8±20%	100K/1V	2	1.5	348	290
ACDMR0315THV-8R2MT	8.2±20%	100K/1V	1.8	1.3	468	390
ACDMR0315THV-100MT	10±20%	100K/1V	1.6	1.2	522	435

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

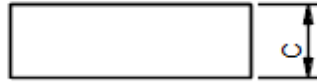
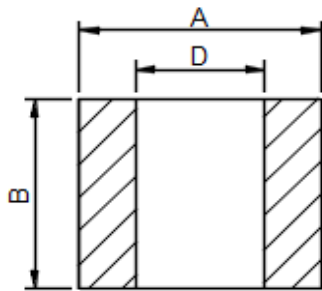
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current (A) that will cause L_o to drop approximately 30%

5. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

ACDMR0315FHCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	1.50	Max
D	0.90	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0315FHCV-R15MT	0.15±20%	1M/1V	15.0	16.0	11.0	12.0	6	5
ACDMR0315FHCV-R20MT	0.20±20%	1M/1V	15.0	16.0	12.0	13.0	5.9	4.8
ACDMR0315FHCV-R33MT	0.33±20%	1M/1V	11.0	12.0	13.0	14.0	8.5	6.5
ACDMR0315FHCV-R47MT	0.47±20%	1M/1V	9.0	10.0	8.0	9.0	11	9
ACDMR0315FHCV-R68MT	0.68±20%	1M/1V	8.0	8.5	7.0	7.5	13.5	11
ACDMR0315FHCV-1R0MT	1.0±20%	1M/1V	6.5	7.0	5.5	6.0	22	18
ACDMR0315FHCV-1R5MT	1.5±20%	1M/1V	5.5	6.0	7.5	8.0	26	22
ACDMR0315FHCV-2R2MT	2.2±20%	1M/1V	4.5	5.0	4.0	4.5	50	42
ACDMR0315FHCV-3R3MT	3.3±20%	1M/1V	4.0	4.5	3.5	4.0	68	58
ACDMR0315FHCV-4R7MT	4.7±20%	1M/1V	3.5	4.0	3.0	3.5	104	87
ACDMR0315FHCV-6R8MT	6.8±20%	1M/1V	3.0	3.5	2.0	2.5	180	160
ACDMR0315FHCV-100MT	10±20%	1M/1V	2.5	2.8	1.5	2.0	215	185
ACDMR0315FHCV-220MT	22±20%	1M/1V	1.2	1.6	1.0	1.2	700	580

1.Comply with AEC-Q200

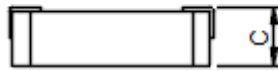
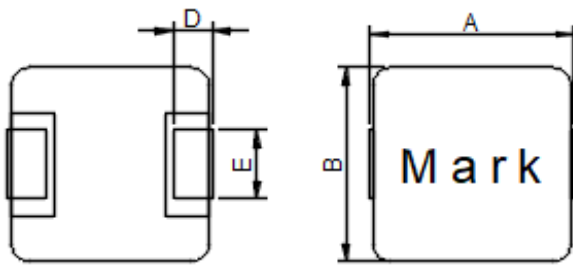
2.Operating Temp:-55~+125℃

3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.50	± 0.3
B	3.20	± 0.3
C	2.00	Max
D	0.70	± 0.2
E	1.20	± 0.2

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0320THV-R10YT	0.1±30%	100K/1V	14	10.5	9	6.6
ACDMR0320THV-R22YT	0.22±30%	100K/1V	11.2	9	14	11
ACDMR0320THV-R33MT	0.33±20%	100K/1V	10	8	21	17
ACDMR0320THV-R47MT	0.47±20%	100K/1V	9	7	23	19.7
ACDMR0320THV-R68MT	0.68±20%	100K/1V	7	5.5	29	25.5
ACDMR0320THV-R82MT	0.82±20%	100K/1V	6	4.8	32	27
ACDMR0320THV-1R0MT	1.0±20%	100K/1V	5	4	38	32
ACDMR0320THV-1R5MT	1.5±20%	100K/1V	4	3.8	50	42
ACDMR0320THV-2R2MT	2.2±20%	100K/1V	3.7	3.5	75	65
ACDMR0320THV-3R3MT	3.3±20%	100K/1V	3.5	3	145	125
ACDMR0320THV-4R7MT	4.7±20%	100K/1V	3	2.6	200	172
ACDMR0320THV-5R6MT	5.6±20%	100K/1V	2.6	2.2	238	205
ACDMR0320THV-6R8MT	6.8±20%	100K/1V	2.2	1.9	300	260
ACDMR0320THV-8R2MT	8.2±20%	100K/1V	1.9	1.6	390	340
ACDMR0320THV-100MT	10±20%	100K/1V	1.6	1.4	422	366

1.Comply with AEC-Q200

2.Operating Temp:-55~+125°C

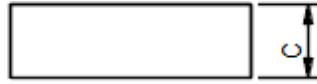
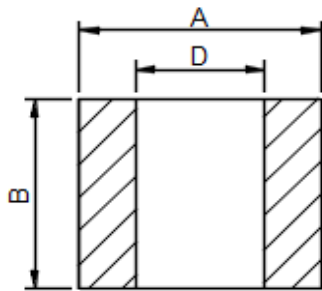
3.Storage Temp:-55~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR0320FHCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.00	± 0.2
B	3.00	± 0.2
C	2.00	Max
D	0.90	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0320FHCV-R10MT	0.1±20%	1M/1V	23.0	25.0	16.0	17.0	4.5	3.3
ACDMR0320FHCV-R15MT	0.15±20%	1M/1V	17.0	18.0	12.0	13.0	5	4
ACDMR0320FHCV-R22MT	0.22±20%	1M/1V	16.0	17.5	10.0	11.0	6.5	5
ACDMR0320FHCV-R33MT	0.33±20%	1M/1V	15.0	17.0	9.0	10.0	9	7.5
ACDMR0320FHCV-R47MT	0.47±20%	1M/1V	13.5	15.0	8.0	9.0	11	8
ACDMR0320FHCV-R50MT	0.50±20%	1M/1V	13.0	15.0	8.0	9.0	12	9
ACDMR0320FHCV-R68MT	0.68±20%	1M/1V	11.0	13.0	7.8	8.5	16	13
ACDMR0320FHCV-1R0MT	1.0±20%	1M/1V	7.3	8.0	6.0	6.5	20	14
ACDMR0320FHCV-1R2MT	1.2±20%	1M/1V	7.0	7.5	6.5	7.0	21	16
ACDMR0320FHCV-1R5MT	1.5±20%	1M/1V	6.5	7.0	5.8	6.3	25	19
ACDMR0320FHCV-2R2MT	2.2±20%	1M/1V	5.5	6.0	4.3	4.7	45	37
ACDMR0320FHCV-3R3MT	3.3±20%	1M/1V	5.4	5.9	4.0	4.5	63	52
ACDMR0320FHCV-4R7MT	4.7±20%	1M/1V	4.0	4.8	3.8	4.2	73	60
ACDMR0320FHCV-6R8MT	6.8±20%	1M/1V	3.8	4.5	3.0	3.2	135	107
ACDMR0320FHCV-100MT	10.0±20%	1M/1V	3.3	3.8	2.2	2.5	160	135
ACDMR0320FHCV-150MT	15.0±20%	1M/1V	2.2	2.6	1.5	1.8	260	235

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

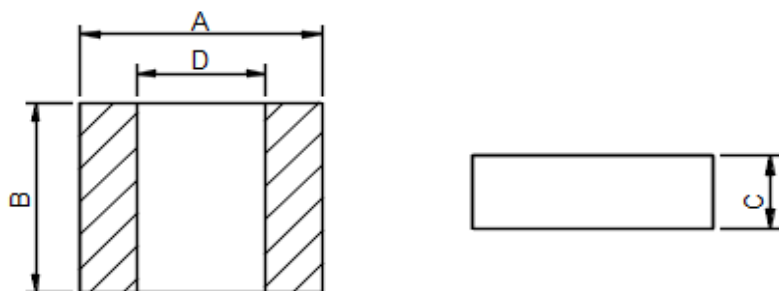
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR0410HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.10	± 0.2
B	4.10	± 0.2
C	1.00	Max
D	1.40	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0410HCV-1R0MT	1.0±20%	100K/1V	4.8	5.3	6.5	7.0	26	22
ACDMR0410HCV-4R7MT	4.7±20%	100K/1V	3.5	3.8	3.0	3.4	140	120
ACDMR0410HCV-6R8MT	6.8±20%	100K/1V	2.7	3.2	2.4	2.9	235	200
ACDMR0410HCV-100MT	10±20%	100K/1V	2.0	2.2	2.0	2.5	280	220

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

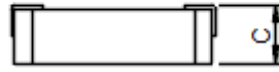
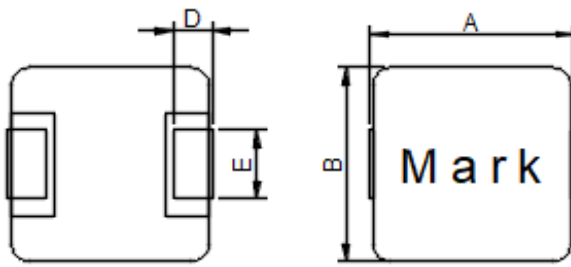
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR0412THPV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.45	± 0.35
B	4.06	± 0.35
C	1.20	Max
D	0.76	± 0.30
E	2.00	± 0.20

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0412THPV-R10YT	0.10±30%	100K/1V	25	11.5	5.5	4.3
ACDMR0412THPV-R22MT	0.22±20%	100K/1V	20	8.5	8	6.6
ACDMR0412THPV-R33MT	0.33±20%	100K/1V	11	7	16	13.6
ACDMR0412THPV-R36MT	0.36±20%	100K/1V	8.5	6.5	18	15.5
ACDMR0412THPV-R47MT	0.47±20%	100K/1V	6.5	6	20	18
ACDMR0412THPV-R60MT	0.6±20%	100K/1V	6	5.3	26	22.5
ACDMR0412THPV-R68MT	0.68±20%	100K/1V	6	5	37	32
ACDMR0412THPV-1R0MT	1.0±20%	100K/1V	6	4	47	41
ACDMR0412THPV-1R2MT	1.2±20%	100K/1V	5	3.5	56	48
ACDMR0412THPV-1R5MT	1.5±20%	100K/1V	4	3	63.3	55
ACDMR0412THPV-2R2MT	2.2±20%	100K/1V	3.5	2.8	80	69.2
ACDMR0412THPV-3R3MT	3.3±20%	100K/1V	3	2.3	97	84



ACDMR0412THPV SERIES

ACDMR0412THPV-4R7MT	4.7±20%	100K/1V	2.5	2	145	128
ACDMR0412THPV-5R6MT	5.6±20%	100K/1V	2.3	1.7	208	180
ACDMR0412THPV-6R8MT	6.8±20%	100K/1V	1.7	1.5	360	300
ACDMR0412THPV-8R2MT	8.2±20%	100K/1V	1.6	1.4	376	313
ACDMR0412THPV-100MT	10±20%	100K/1V	1.4	1.3	463	410
ACDMR0412THPV-220MT	22±20%	100K/1V	1	0.8	1050	950

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

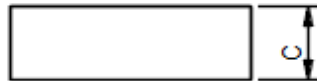
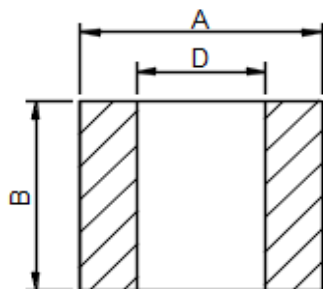
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause I_o to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDMR0412HCV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.10	± 0.2
B	4.10	± 0.2
C	1.00	Max
D	1.40	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0412HCV-R47MT	0.47±20%	1M/1V	11.5	12.0	8.5	9.0	14	11.5
ACDMR0412HCV-R60MT	0.60±20%	1M/1V	8.5	9.0	8.0	8.5	14.5	12
ACDMR0412HCV-R68MT	0.68±20%	1M/1V	9.0	10.0	7.5	8.5	18	15
ACDMR0412HCV-1R0MT	1.0±20%	1M/1V	10.0	11.0	5.5	6.3	25	21
ACDMR0412HCV-1R5MT	1.5±20%	1M/1V	7.0	8.0	5.0	6.0	34.5	29
ACDMR0412HCV-2R2MT	2.2±20%	1M/1V	6.0	6.5	4.5	5.0	55	45
ACDMR0412HCV-3R3MT	3.3±20%	1M/1V	5.0	5.5	4.0	4.5	80	67
ACDMR0412HCV-4R7MT	4.7±20%	1M/1V	4.5	5.0	3.0	3.5	110	90
ACDMR0412HCV-5R6MT	5.6±20%	1M/1V	4.0	4.5	2.5	3.0	140	116
ACDMR0412HCV-6R8MT	6.8±20%	1M/1V	3.5	3.8	2.3	2.8	160	132
ACDMR0412HCV-100MT	10±20%	1M/1V	2.5	2.8	2.0	2.5	235	200
ACDMR0412HCV-220MT	22±20%	1M/1V	1.5	1.8	1.2	1.5	480	420

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

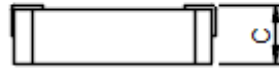
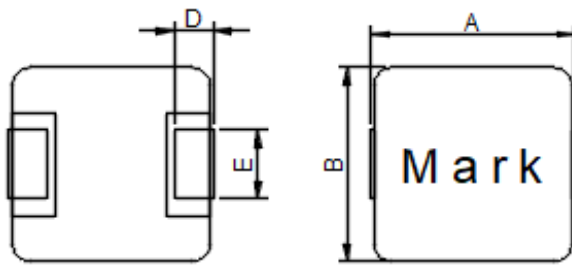
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDMR0415THPV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.45	± 0.35
B	4.06	± 0.35
C	1.50	Max
D	0.76	± 0.30
E	2.00	± 0.20

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0415THPV-R22MT	0.22±20%	100K/1V	20	10	7.8	6.5
ACDMR0415THPV-R47MT	0.47±20%	100K/1V	11	8	19	15
ACDMR0415THPV-R68MT	0.68±20%	100K/1V	8.5	6.5	21.5	19
ACDMR0415THPV-1R0MT	1.0±20%	100K/1V	7	5	40	34
ACDMR0415THPV-2R2MT	2.2±20%	100K/1V	4	3.2	72	63
ACDMR0415THPV-4R7MT	4.7±20%	100K/1V	2.8	2.2	140	120
ACDMR0415THPV-6R8MT	6.8±20%	100K/1V	2.3	1.7	276	230
ACDMR0415THPV-100MT	10±20%	100K/1V	1.9	1.5	400	345

1. Comply with AEC-Q200

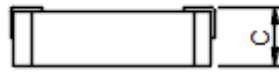
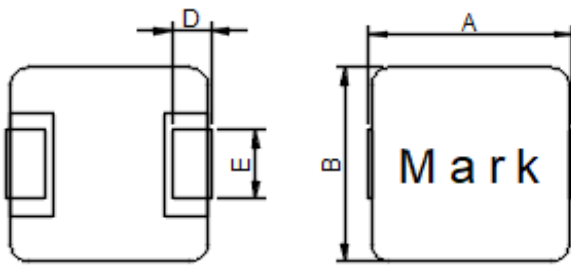
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current (A) that will cause L_o to drop approximately 30%

5. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.40	± 0.35
B	4.20	± 0.25
C	2.00	Max
D	0.80	±0.50
E	2.00	±0.50



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0420SV-R10MT	0.10±20%	100K/1V	17.6	22	11.2	13	4
ACDMR0420SV-R22MT	0.22±20%	100K/1V	10	12.5	8.2	9.5	6.6
ACDMR0420SV-R33MT	0.33±20%	100K/1V	9.6	12	8.6	10	11
ACDMR0420SV-R47MT	0.47±20%	100K/1V	7.6	9	6.65	7.5	14
ACDMR0420SV-R56MT	0.56±20%	100K/1V	7.2	9	6.1	7	16
ACDMR0420SV-R68MT	0.68±20%	100K/1V	6.4	8	6.15	7	18
ACDMR0420SV-1R0MT	1.0±20%	100K/1V	5.6	7	5.4	6	27
ACDMR0420SV-1R2MT	1.2±20%	100K/1V	5.2	6.5	5.4	6	27
ACDMR0420SV-1R5MT	1.5±20%	100K/1V	4.4	5.5	4.3	5	46
ACDMR0420SV-2R2MT	2.2±20%	100K/1V	4	5	3.8	4.5	58
ACDMR0420SV-3R3MT	3.3±20%	100K/1V	2.8	3.5	2.8	3.3	87
ACDMR0420SV-4R7MT	4.7±20%	100K/1V	2.4	3	2.2	2.8	105
ACDMR0420SV-6R8MT	6.8±20%	100K/1V	2	2.5	1.9	2.4	175
ACDMR0420SV-100MT	10±20%	100K/1V	1.6	2	1.3	1.6	282

1.Comply with AEC-Q200

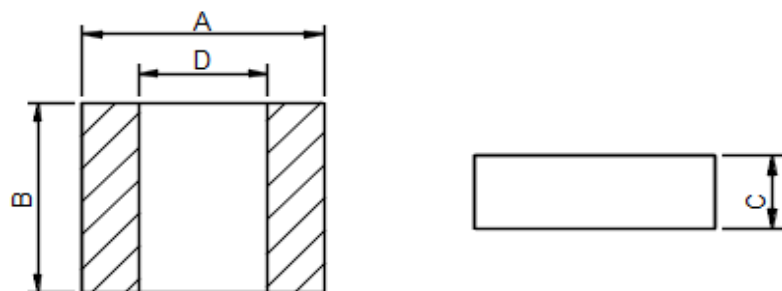
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.10	± 0.2
B	4.10	± 0.2
C	2.00	Max
D	1.40	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0420HCV-R47MT	0.47±20%	1M/1V	15.0	16.0	8.0	8.5	8.5	7
ACDMR0420HCV-1R0MT	1.0±20%	1M/1V	11.5	12.5	6.0	6.5	14.5	12
ACDMR0420HCV-1R5MT	1.5±20%	1M/1V	9.5	10.5	5.5	6.0	22	18
ACDMR0420HCV-2R2MT	2.2±20%	1M/1V	8.5	9.5	5.0	5.5	36	30
ACDMR0420HCV-3R3MT	3.3±20%	1M/1V	7.0	8.0	5.8	6.3	40	35
ACDMR0420HCV-4R7MT	4.7±20%	1M/1V	5.5	6.3	4.0	5.0	58	47
ACDMR0420HCV-5R6MT	5.6±20%	1M/1V	5.0	5.5	3.6	4.0	68	55
ACDMR0420HCV-6R8MT	6.8±20%	1M/1V	4.5	5.4	3.2	3.7	105	90
ACDMR0420HCV-100MT	10±20%	1M/1V	4.0	4.9	3.0	3.4	135	113
ACDMR0420HCV-150MT	15±20%	1M/1V	3.0	3.5	1.7	2.3	250	210
ACDMR0420HCV-220MT	22±20%	1M/1V	2.3	2.9	1.3	1.8	330	275

1. Comply with AEC-Q200

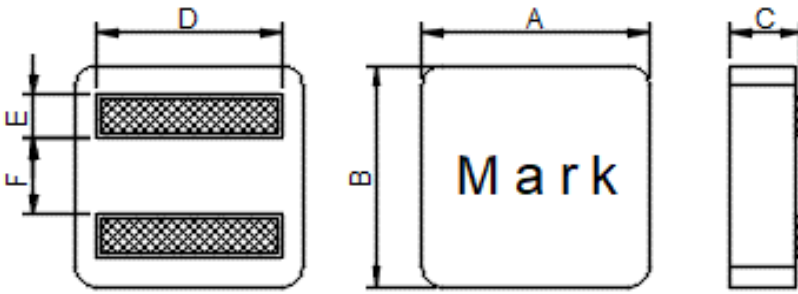
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.20	± 0.2
B	4.20	± 0.2
C	2.15	Max
D	3.50	Typ
E	1.10	Typ
F	1.50	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0420UHV-R10MT	0.1±20%	100K/0.1V	33	18	2.42
ACDMR0420UHV-R22MT	0.22±20%	100K/0.1V	18.8	16.8	4.6
ACDMR0420UHV-R36MT	0.36±20%	100K/0.1V	15	14.5	6.3
ACDMR0420UHV-R40MT	0.4±20%	100K/0.1V	13.5	14	7.73
ACDMR0420UHV-R47MT	0.47±20%	100K/0.1V	13	12.5	8.58
ACDMR0420UHV-R56MT	0.56±20%	100K/0.1V	12.6	12	9.3
ACDMR0420UHV-R60MT	0.6±20%	100K/0.1V	12.3	11.7	9.52
ACDMR0420UHV-R72MT	0.72±20%	100K/0.1V	10.6	10.5	11.6
ACDMR0420UHV-1R0MT	1.0±20%	100K/0.1V	8.8	9.6	14.6
ACDMR0420UHV-1R2MT	1.2±20%	100K/0.1V	7.8	9	17.9
ACDMR0420UHV-1R5MT	1.5±20%	100K/0.1V	7.4	7.6	23.5
ACDMR0420UHV-1R8MT	1.8±20%	100K/0.1V	7	7	28
ACDMR0420UHV-2R2MT	2.2±20%	100K/0.1V	6	5.6	38.7

1.Comply with AEC-Q200

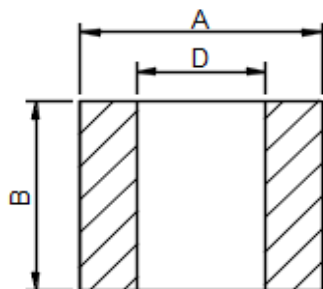
2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.10	± 0.2
B	4.10	± 0.2
C	3.00	Max
D	1.40	± 0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Max	Typ	Max	Typ	Max	Typ
ACDMR0430HCV-R33MT	0.33±20%	1M/1V	23.0	25.0	15.0	16.0	6	4.5
ACDMR0430HCV-R47MT	0.47±20%	1M/1V	21.0	23.0	14.0	15.0	7	5.5
ACDMR0430HCV-R56MT	0.56±20%	1M/1V	20.0	22.0	14.0	15.0	7.5	6
ACDMR0430HCV-R68MT	0.68±20%	1M/1V	15.0	17.0	8.0	9.5	10	8.3
ACDMR0430HCV-1R0MT	1.0±20%	1M/1V	14.0	15.5	9.0	10.0	12	10
ACDMR0430HCV-1R5MT	1.5±20%	1M/1V	11.0	12.5	6.0	6.5	18	15
ACDMR0430HCV-2R2MT	2.2±20%	1M/1V	9.5	10.5	8.5	9.0	22	19
ACDMR0430HCV-3R3MT	3.3±20%	1M/1V	7.5	8.5	4.8	5.3	35	30
ACDMR0430HCV-4R7MT	4.7±20%	1M/1V	6.0	7.0	4.0	4.3	46	41
ACDMR0430HCV-5R6MT	5.6±20%	1M/1V	6.2	7.0	5.0	5.5	48	41
ACDMR0430HCV-6R8MT	6.8±20%	1M/1V	5.1	6.3	3.8	4.2	62	51
ACDMR0430HCV-8R2MT	8.2±20%	1M/1V	4.8	5.2	3.5	3.9	102	90
ACDMR0430HCV-100MT	10±20%	1M/1V	4.5	4.9	3.3	3.7	110	92
ACDMR0430HCV-150MT	15±20%	1M/1V	3.8	4.2	2.5	2.7	170	145
ACDMR0430HCV-220MT	22±20%	1M/1V	3.0	3.4	2.2	2.5	220	190
ACDMR0430HCV-470MT	47±20%	1M/1V	2.0	2.2	1.2	1.4	550	480

1. Comply with AEC-Q200

2. Operating Temp:-55~+125℃

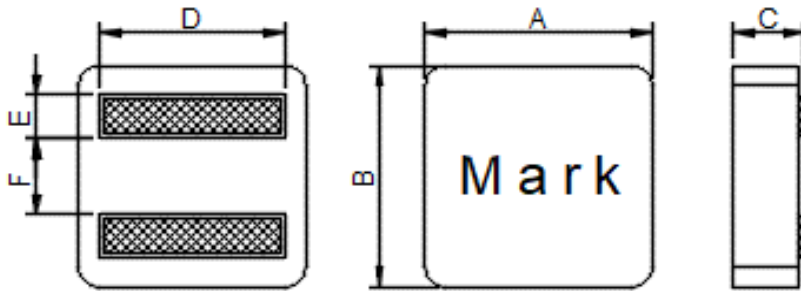
3. Storage Temp:-55~+125℃(on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40℃

ACDMR0430UHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.20	± 0.25
B	4.20	± 0.25
C	3.10	Max
D	3.50	Typ
E	1.10	Typ
F	1.50	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0430UHV-R33MT	0.33±20%	100K/0.1V	19	15	6.8
ACDMR0430UHV-R47MT	0.47±20%	100K/0.1V	17	14	7.26
ACDMR0430UHV-R75MT	0.75±20%	100K/0.1V	9	10	10.8
ACDMR0430UHV-1R0MT	1.0±20%	100K/0.1V	8.5	10	12.76
ACDMR0430UHV-1R8MT	1.8±20%	100K/0.1V	6.8	7.5	17.5
ACDMR0430UHV-2R2MT	2.2±20%	100K/0.1V	7	7.2	20.8
ACDMR0430UHV-3R3MT	3.3±20%	100K/0.1V	5.5	6.6	28.6
ACDMR0430UHV-4R7MT	4.7±20%	100K/0.1V	4.5	5.1	44.1
ACDMR0430UHV-6R8MT	6.8±20%	100K/0.1V	3.6	3.9	74.1

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

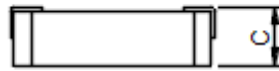
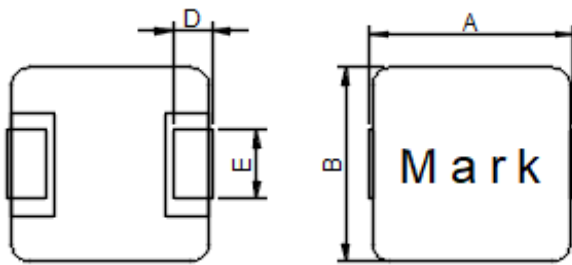
3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR0512THPV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.70	± 0.4
B	5.20	± 0.3
C	1.20	Max
D	1.10	± 0.3
E	2.50	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0512THPV-R10YT	0.10±30%	100K/1V	14.5	14	5.2	4.3
ACDMR0512THPV-R15YT	0.15±30%	100K/1V	14.2	12	6	4.5
ACDMR0512THPV-R22YT	0.22±30%	100K/1V	14	10.7	6.7	5.5
ACDMR0512THPV-R33MT	0.33±20%	100K/1V	13.5	8.5	9.4	7.8
ACDMR0512THPV-R36MT	0.36±20%	100K/1V	13	8	11.5	10
ACDMR0512THPV-R47MT	0.47±20%	100K/1V	11	7	15.8	13.6
ACDMR0512THPV-R68MT	0.68±20%	100K/1V	9	6	24.5	21.5
ACDMR0512THPV-1R0MT	1.0±20%	100K/1V	6	5	30	26
ACDMR0512THPV-1R5MT	1.5±20%	100K/1V	5	4	44	38
ACDMR0512THPV-2R2MT	2.2±20%	100K/1V	4	3.5	75	65
ACDMR0512THPV-3R3MT	3.3±20%	100K/1V	3.8	3	86	75



ACDMR0512THPV SERIES

ACDMR0512THPV-4R7MT	4.7±20%	100K/1V	3.2	2.5	115	100
ACDMR0512THPV-5R6MT	5.6±20%	100K/1V	3.2	2.4	201	175
ACDMR0512THPV-6R8MT	6.8±20%	100K/1V	3	2	222	193
ACDMR0512THPV-8R2MT	8.2±20%	100K/1V	2.8	1.7	378	327
ACDMR0512THPV-100MT	10±20%	100K/1V	1.8	1.5	385	335
ACDMR0512THPV-150MT	15±20%	100K/1V	1.6	1.3	470	410

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

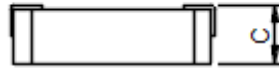
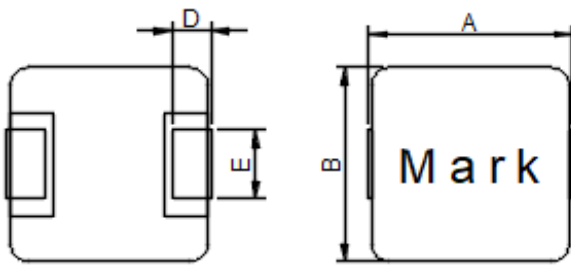
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

ACDMR0515THPV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.70	± 0.4
B	5.20	± 0.3
C	1.50	Max
D	1.10	± 0.3
E	2.50	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0515THPV-R15YT	0.15±30%	100K/1V	25	16	4.1	3.6
ACDMR0515THPV-R22YT	0.22±30%	100K/1V	20	12	6.5	5
ACDMR0515THPV-R33MT	0.33±20%	100K/1V	16	9	9.8	8.5
ACDMR0515THPV-R36MT	0.36±20%	100K/1V	15.5	8.5	12.5	10
ACDMR0515THPV-R47MT	0.47±20%	100K/1V	15	8	13.8	12
ACDMR0515THPV-R68MT	0.68±20%	100K/1V	13	7	16.2	14
ACDMR0515THPV-1R0MT	1.0±20%	100K/1V	9	6	25.3	22
ACDMR0515THPV-1R5MT	1.5±20%	100K/1V	7	4.5	45	39
ACDMR0515THPV-2R2MT	2.2±20%	100K/1V	6	4	52	45
ACDMR0515THPV-3R3MT	3.3±20%	100K/1V	4.5	3.2	90	78
ACDMR0515THPV-4R7MT	4.7±20%	100K/1V	4	2.7	118	103
ACDMR0515THPV-5R6MT	5.6±20%	100K/1V	3.2	2.4	152	126
ACDMR0515THPV-6R8MT	6.8±20%	100K/1V	3	2.3	171	142
ACDMR0515THPV-8R2MT	8.2±20%	100K/1V	2.6	2.1	210	175
ACDMR0515THPV-100MT	10±20%	100K/1V	2.3	2	235	210
ACDMR0515THPV-220MT	22±20%	100K/1V	1.7	1.2	466	405

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

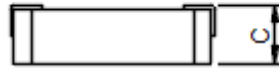
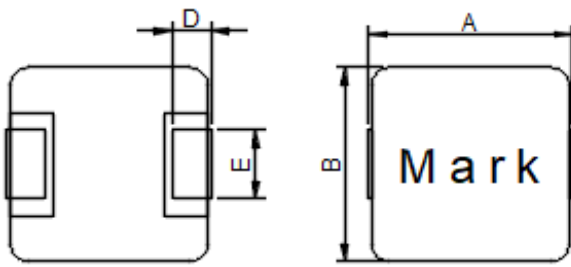
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR0518SV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.40	± 0.30
B	5.20	± 0.20
C	1.80	Max
D	1.20	±0.50
E	2.20	±0.50



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0518SV-R47MT	0.47±20%	100K/1V	9.6	12	9.5	10.5	9
ACDMR0518SV-R56MT	0.56±20%	100K/1V	8.8	11	8.2	9.5	10
ACDMR0518SV-R68MT	0.68±20%	100K/1V	8.3	10	7.7	8.7	13.8
ACDMR0518SV-1R0MT	1.0±20%	100K/1V	7.2	9	7.2	8	17
ACDMR0518SV-1R5MT	1.5±20%	100K/1V	6.4	8	6.6	7.5	26
ACDMR0518SV-2R2MT	2.2±20%	100K/1V	4.8	6	4.2	5	35
ACDMR0518SV-3R3MT	3.3±20%	100K/1V	3.84	4.8	3.8	4.5	58
ACDMR0518SV-4R7MT	4.7±20%	100K/1V	3.2	4	3	3.5	85
ACDMR0518SV-6R8MT	6.8±20%	100K/1V	2.72	3.4	2.4	2.8	120
ACDMR0518SV-100MT	10±20%	100K/1V	2	2.5	2.2	2.5	155

1.Comply with AEC-Q200

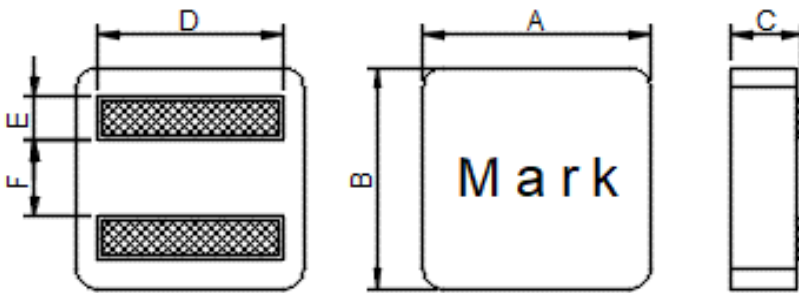
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.60	± 0.2
B	5.50	± 0.2
C	2.20	Max
D	4.40	Typ
E	1.30	Typ
F	2.20	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0520UHV-R15MT	0.15±20%	100K/0.1V	27	18.8	4.6
ACDMR0520UHV-R16MT	0.16±20%	100K/0.1V	27	18.8	4.6
ACDMR0520UHV-R33MT	0.33±20%	100K/0.1V	24	14.4	7
ACDMR0520UHV-R47MT	0.47±20%	100K/0.1V	20	14.1	8.1
ACDMR0520UHV-R56MT	0.56±20%	100K/0.1V	16	13.9	9.5
ACDMR0520UHV-R68MT	0.68±20%	100K/0.1V	14	13.4	10.2
ACDMR0520UHV-R80MT	0.8±20%	100K/0.1V	13.5	13	11.8
ACDMR0520UHV-R82MT	0.82±20%	100K/0.1V	13	12	12.7
ACDMR0520UHV-1R0MT	1.0±20%	100K/0.1V	12.8	10.5	13.8
ACDMR0520UHV-1R2MT	1.2±20%	100K/0.1V	12.2	9.4	16.3
ACDMR0520UHV-1R5MT	1.5±20%	100K/0.1V	11.7	8.8	18.7

1.Comply with AEC-Q200

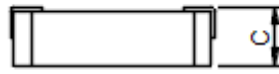
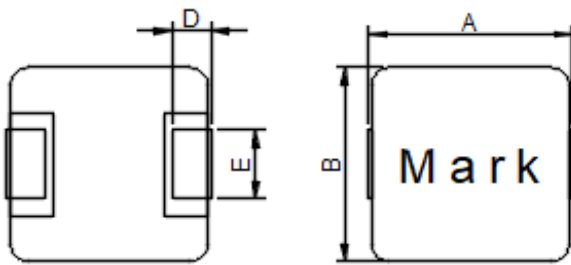
2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.40	± 0.30
B	5.20	± 0.20
C	3.00	Max
D	1.20	±0.50
E	2.20	±0.50



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0530SV-R10MT	0.1±20%	100K/1V	24	30	23	25	3
ACDMR0530SV-R20MT	0.2±20%	100K/1V	16	20	13	14	3.9
ACDMR0530SV-R33MT	0.33±20%	100K/1V	14.4	18	13.1	14	5.5
ACDMR0530SV-R47MT	0.47±20%	100K/1V	12	15	10	11	8.5
ACDMR0530SV-R68MT	0.68±20%	100K/1V	9.2	11.5	8.2	9	12
ACDMR0530SV-R82MT	0.82±20%	100K/1V	9.2	10.5	9	10.5	10.4
ACDMR0530SV-1R0MT	1.0±20%	100K/1V	8	10	7.8	8.5	14
ACDMR0530SV-1R2MT	1.2±20%	100K/1V	7.6	9.5	7.85	8.5	16
ACDMR0530SV-1R5MT	1.5±20%	100K/1V	7.2	9	7.6	8.2	25
ACDMR0530SV-2R2MT	2.2±20%	100K/1V	5.6	7	6.4	7	29
ACDMR0530SV-3R3MT	3.3±20%	100K/1V	4.8	6	5	5.5	38
ACDMR0530SV-4R7MT	4.7±20%	100K/1V	3.68	4.6	4	4.5	60
ACDMR0530SV-6R8MT	6.8±20%	100K/1V	2.88	3.6	2.9	3.5	90
ACDMR0530SV-100MT	10±20%	100K/1V	2.8	3.5	2.8	3.2	125

1.Comply with AEC-Q200

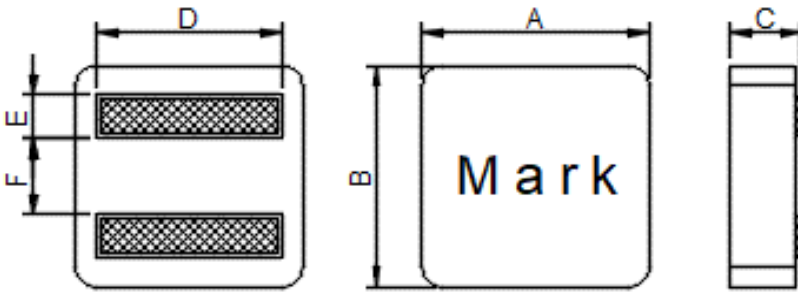
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.60	± 0.2
B	5.50	± 0.2
C	3.10	Max
D	4.40	Typ
E	1.30	Typ
F	2.20	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0530UHV-R15MT	0.15±20%	100K/0.1V	32.5	22.2	2.31
ACDMR0530UHV-R16MT	0.16±20%	100K/0.1V	32	22.2	2.33
ACDMR0530UHV-R33MT	0.33±20%	100K/0.1V	26	19.2	3.52
ACDMR0530UHV-R47MT	0.47±20%	100K/0.1V	24	18.4	4.13
ACDMR0530UHV-R56MT	0.56±20%	100K/0.1V	20.2	17.7	4.52
ACDMR0530UHV-R60MT	0.6±20%	100K/0.1V	20	17.7	4.52
ACDMR0530UHV-R80MT	0.8±20%	100K/0.1V	18	13.1	5.65
ACDMR0530UHV-R82MT	0.82±20%	100K/0.1V	17.6	12.9	5.78
ACDMR0530UHV-1R0MT	1.0±20%	100K/0.1V	14.3	12.2	7.6
ACDMR0530UHV-1R2MT	1.2±20%	100K/0.1V	13.5	11	9.7
ACDMR0530UHV-1R5MT	1.5±20%	100K/0.1V	12.5	10.5	11.2
ACDMR0530UHV-1R8MT	1.8±20%	100K/0.1V	11.3	10.1	12.7
ACDMR0530UHV-2R2MT	2.2±20%	100K/0.1V	9	9.7	14.5
ACDMR0530UHV-3R3MT	3.3±20%	100K/0.1V	8.7	8.1	23.1
ACDMR0530UHV-4R7MT	4.7±20%	100K/0.1V	7	5.9	36.3

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

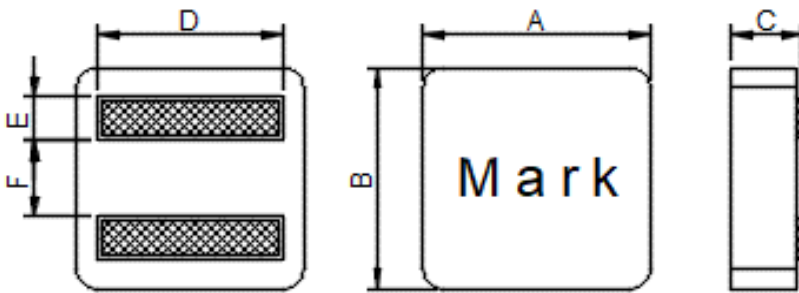
3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR0550UHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.60	± 0.2
B	5.50	± 0.2
C	5.00	Max
D	4.40	Typ
E	1.30	Typ
F	2.20	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0550UHV-5R6MT	5.6±20%	100K/0.1V	7.2	7.2	24.2
ACDMR0550UHV-6R8MT	6.8±20%	100K/0.1V	6.6	6.4	28.6
ACDMR0550UHV-8R2MT	8.2±20%	100K/0.1V	6.1	6.1	32.5
ACDMR0550UHV-100MT	10±20%	100K/0.1V	5.4	5	43

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

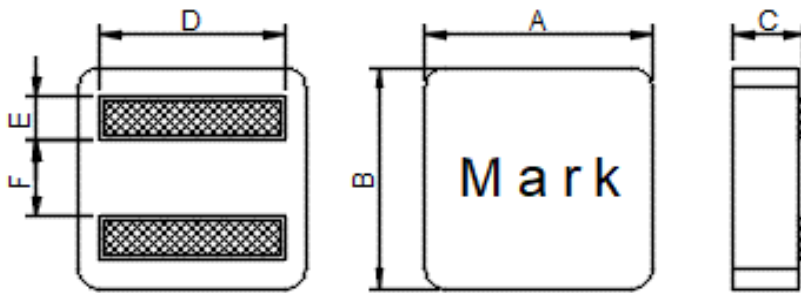
3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR0630UHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.70	± 0.2
B	6.50	± 0.2
C	3.10	Max
D	5.50	Typ
E	1.60	Typ
F	2.50	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0630UHV-R18MT	0.18±20%	100K/0.1V	39	32	1.75
ACDMR0630UHV-R33MT	0.33±20%	100K/0.1V	30	25	2.5
ACDMR0630UHV-R56MT	0.56±20%	100K/0.1V	29	22	3.31
ACDMR0630UHV-R68MT	0.68±20%	100K/0.1V	25	20	5.17
ACDMR0630UHV-1R0MT	1.0±20%	100K/0.1V	23	18	6.05
ACDMR0630UHV-1R2MT	1.2±20%	100K/0.1V	22	16	7.4
ACDMR0630UHV-1R5MT	1.5±20%	100K/0.1V	20	15	9.13
ACDMR0630UHV-1R8MT	1.8±20%	100K/0.1V	18.2	14	10.2
ACDMR0630UHV-2R2MT	2.2±20%	100K/0.1V	15.9	10	12.2
ACDMR0630UHV-3R3MT	3.3±20%	100K/0.1V	12.2	8	20.8
ACDMR0630UHV-4R5MT	4.5±20%	100K/0.1V	10	7	25.3
ACDMR0630UHV-4R7MT	4.7±20%	100K/0.1V	9	6	26

1.Comply with AEC-Q200

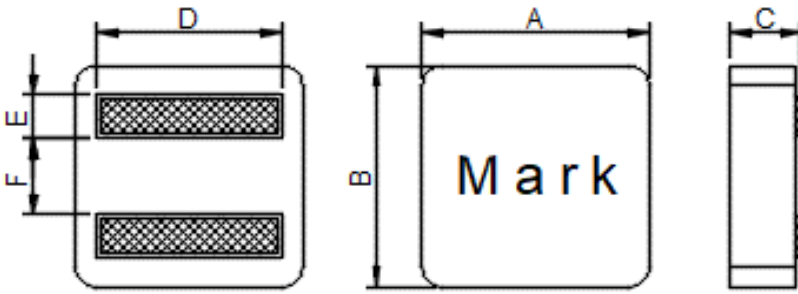
2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.70	± 0.2
B	6.50	± 0.2
C	5.00	Max
D	5.50	Typ
E	1.60	Typ
F	2.50	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0650UHV-R82MT	0.82±20%	100K/0.1V	20	21	4.18
ACDMR0650UHV-1R0MT	1.0±20%	100K/0.1V	18	20	4.52
ACDMR0650UHV-1R2MT	1.2±20%	100K/0.1V	16	18	5.83
ACDMR0650UHV-1R5MT	1.5±20%	100K/0.1V	14.5	17	6.3
ACDMR0650UHV-1R8MT	1.8±20%	100K/0.1V	13.5	16	7.1
ACDMR0650UHV-2R2MT	2.2±20%	100K/0.1V	12	13	8.5
ACDMR0650UHV-3R3MT	3.3±20%	100K/0.1V	10	11	12.5
ACDMR0650UHV-4R3MT	4.3±20%	100K/0.1V	8.5	9	16.2
ACDMR0650UHV-4R7MT	4.7±20%	100K/0.1V	8	8.5	18.4
ACDMR0650UHV-5R6MT	5.6±20%	100K/0.1V	8.3	7	22
ACDMR0650UHV-6R8MT	6.8±20%	100K/0.1V	7	6.6	25.4
ACDMR0650UHV-8R2MT	8.2±20%	100K/0.1V	6.8	6.2	31.5

1.Comply with AEC-Q200

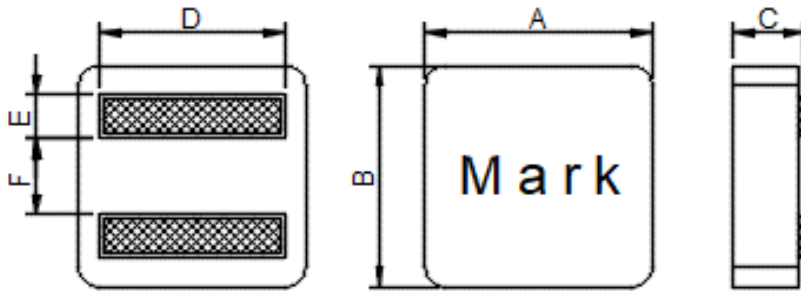
2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.70	± 0.2
B	6.50	± 0.2
C	6.00	Max
D	5.50	Typ
E	1.60	Typ
F	2.50	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0660UHV-4R7MT	4.7±20%	100K/0.1V	10.5	11	14.4
ACDMR0660UHV-5R6MT	5.6±20%	100K/0.1V	9.9	10	15.9
ACDMR0660UHV-6R8MT	6.8±20%	100K/0.1V	9.2	9	20.8
ACDMR0660UHV-8R2MT	8.2±20%	100K/0.1V	8.4	8	26.4
ACDMR0660UHV-100MT	10±20%	100K/0.1V	7.6	7	29.82
ACDMR0660UHV-150MT	15±20%	100K/0.1V	5.8	6	43.75
ACDMR0660UHV-220MT	22±20%	100K/0.1V	5.6	5	60.63

1. Comply with AEC-Q200

2. Operating Temp: -40~+125°C

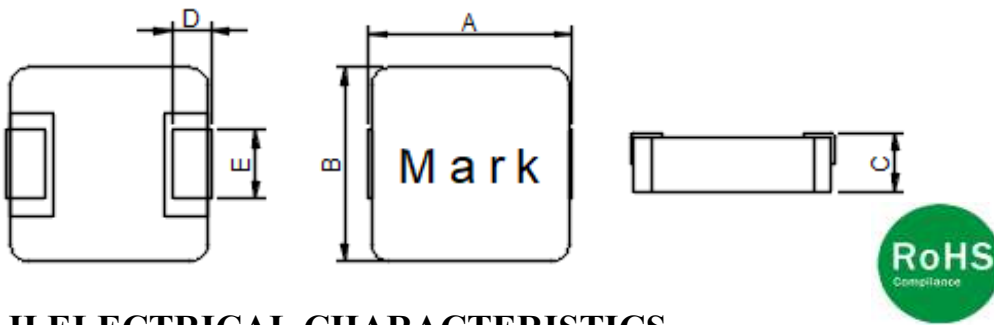
3. Storage Temp: -40~+125°C (on board)

4. Saturation Rated Current: DC current (A) that will cause L_o to drop approximately 30%

5. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

ACDMR0715SV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.10	± 0.30
B	6.60	± 0.20
C	1.50	Max
D	1.60	±0.50
E	3.00	±0.50

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0715SV-R47MT	0.47±20%	100K/1V	14.16	16	8.85	10	8.5
ACDMR0715SV-R56MT	0.56±20%	100K/1V	12.38	14	7.96	9	11
ACDMR0715SV-R68MT	0.68±20%	100K/1V	10.62	12	7.52	8.5	12
ACDMR0715SV-R82MT	0.82±20%	100K/1V	8.85	10	7.08	8	17
ACDMR0715SV-1R0MT	1.0±20%	100K/1V	7.96	9	5.3	6	21
ACDMR0715SV-1R5MT	1.5±20%	100K/1V	7	8	4.4	5	40
ACDMR0715SV-2R2MT	2.2±20%	100K/1V	6.19	7	3.36	3.8	54
ACDMR0715SV-3R3MT	3.3±20%	100K/1V	4.87	5.5	3.1	3.5	63
ACDMR0715SV-4R7MT	4.7±20%	100K/1V	4.42	5	2.83	3.2	85
ACDMR0715SV-6R8MT	6.8±20%	100K/1V	3.54	4	2.21	2.5	135
ACDMR0715SV-100MT	10±20%	100K/1V	2.65	3	1.77	2	175

1.Comply with AEC-Q200

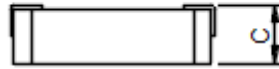
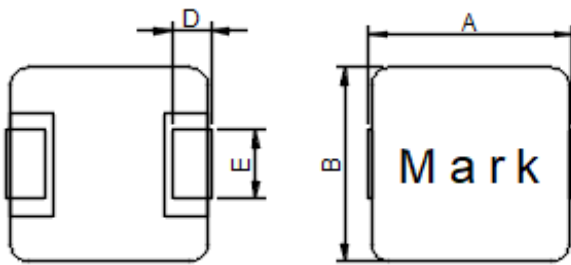
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.00	± 0.4
B	6.60	± 0.4
C	1.80	Max
D	1.80	± 0.3
E	3.00	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0718TV-R10MT	0.1±20%	100K/1V	45	18	2.5	2.1
ACDMR0718TV-R22MT	0.22±20%	100K/1V	26	16	3	2.5
ACDMR0718TV-R33MT	0.33±20%	100K/1V	22	14	5.8	4.8
ACDMR0718TV-R47MT	0.47±20%	100K/1V	18	12	7.4	6.4
ACDMR0718TV-R68MT	0.68±20%	100K/1V	17	10	11	9.5
ACDMR0718TV-R82MT	0.82±20%	100K/1V	15.5	8.5	14	11.5
ACDMR0718TV-1R0MT	1.0±20%	100K/1V	14	7	17	14.5
ACDMR0718TV-1R5MT	1.5±20%	100K/1V	13	6	25.2	21
ACDMR0718TV-2R2MT	2.2±20%	100K/1V	11	6	35	31
ACDMR0718TV-3R3MT	3.3±20%	100K/1V	9	5	46	40
ACDMR0718TV-4R7MT	4.7±20%	100K/1V	7	4	76	68
ACDMR0718TV-5R6MT	5.6±20%	100K/1V	6	3.5	86	78
ACDMR0718TV-6R8MT	6.8±20%	100K/1V	5.5	3	104	93
ACDMR0718TV-8R2MT	8.2±20%	100K/1V	4.5	2.6	140	123
ACDMR0718TV-100MT	10±20%	100K/1V	3.5	2.3	160	143

1.Comply with AEC-Q200

2.Operating Temp:-55~+125℃

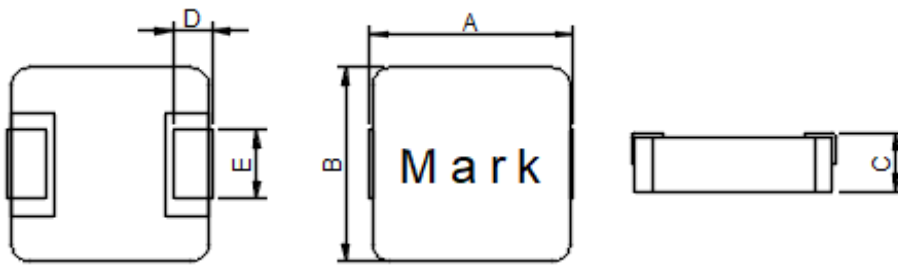
3.Storage Temp:-55~+125℃(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40℃

ACDMR0720TV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.00	± 0.4
B	6.60	± 0.4
C	2.00	Max
D	1.80	± 0.3
E	3.00	± 0.3



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0720TV-R10YT	0.1±30%	100K/1V	40	21	2.4	2
ACDMR0720TV-R15YT	0.15±30%	100K/1V	39	18	2.7	2.3
ACDMR0720TV-R22YT	0.22±30%	100K/1V	32	15	4	3.5
ACDMR0720TV-R33MT	0.33±20%	100K/1V	25	14	5	4.5
ACDMR0720TV-R47MT	0.47±20%	100K/1V	20	11.7	8.3	7.1
ACDMR0720TV-R56MT	0.56±20%	100K/1V	18	11	9.3	7.9
ACDMR0720TV-R68MT	0.68±20%	100K/1V	16	10.5	10	8.3
ACDMR0720TV-1R0MT	1.0±20%	100K/1V	14	8	18	16.5
ACDMR0720TV-1R5MT	1.5±20%	100K/1V	12	7	27	23
ACDMR0720TV-2R2MT	2.2±20%	100K/1V	10	6	37	32
ACDMR0720TV-3R3MT	3.3±20%	100K/1V	8	5	48	43
ACDMR0720TV-4R7MT	4.7±20%	100K/1V	7	4.5	60	53
ACDMR0720TV-5R6MT	5.6±20%	100K/1V	6	4	68	59



ACDMR0720TV SERIES

ACDMR0720TV-6R8MT	6.8±20%	100K/1V	5.5	4	73	63
ACDMR0720TV-8R2MT	8.2±20%	100K/1V	5	3.2	116	101
ACDMR0720TV-100MT	10±20%	100K/1V	4	2.8	154	134
ACDMR0720TV-150MT	15±20%	100K/1V	3.3	2.1	210	190
ACDMR0720TV-220MT	22±20%	100K/1V	2.5	1.5	280	236

1. Comply with AEC-Q200

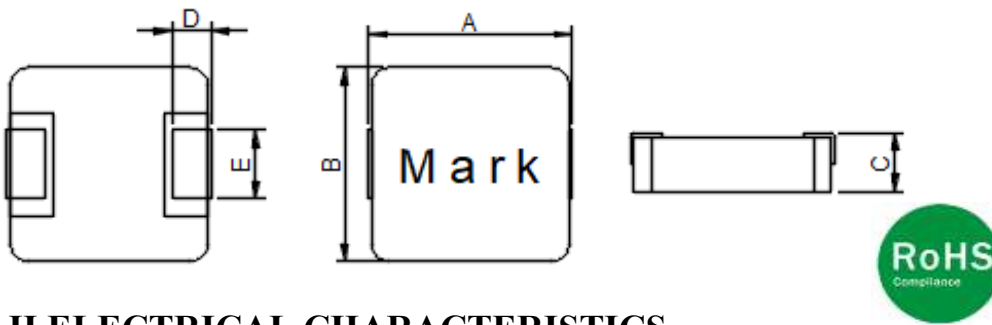
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.10	± 0.30
B	6.60	± 0.20
C	2.40	Max
D	1.60	±0.50
E	3.00	±0.50

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0724SV-R22MT	0.22±20%	100K/1V	24	30	19	21	3
ACDMR0724SV-R33MT	0.33±20%	100K/1V	19.6	24.5	16	18	4.1
ACDMR0724SV-R47MT	0.47±20%	100K/1V	16	20	13.5	15	5.1
ACDMR0724SV-R56MT	0.56±20%	100K/1V	13.6	17	11.5	13	6.5
ACDMR0724SV-R68MT	0.68±20%	100K/1V	12.8	16	10.5	12	7
ACDMR0724SV-1R0MT	1.0±20%	100K/1V	12	15	8	9	13.5
ACDMR0724SV-1R5MT	1.5±20%	100K/1V	10.8	13.5	7	8.2	20
ACDMR0724SV-2R2MT	2.2±20%	100K/1V	8	10	6.2	7	28
ACDMR0724SV-3R3MT	3.3±20%	100K/1V	6.4	8	4.8	5.5	39
ACDMR0724SV-4R7MT	4.7±20%	100K/1V	5.2	6.5	4.3	5	50
ACDMR0724SV-6R8MT	6.8±20%	100K/1V	4.8	6	3.2	4	70
ACDMR0724SV-100MT	10±20%	100K/1V	3.2	4	2.4	3.1	101
ACDMR0724SV-150MT	15±20%	100K/1V	2.64	3.3	2	2.5	160
ACDMR0724SV-220MT	22±20%	100K/1V	2	2.5	1.6	2	230

1.Comply with AEC-Q200

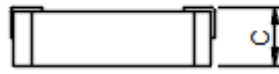
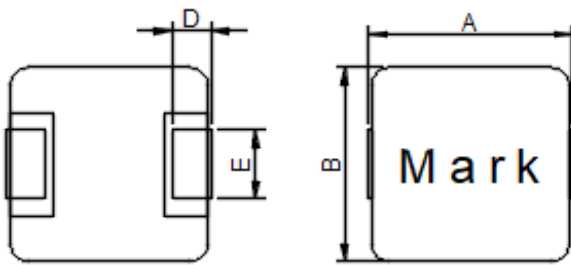
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.10	± 0.30
B	6.60	± 0.20
C	3.00	Max
D	1.60	±0.50
E	3.00	±0.50



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0730SV-R10MT	0.1±20%	100K/1V	53	60	28.5	32.5	1.7
ACDMR0730SV-R12MT	0.12±20%	100K/1V	30	40	32	38	2
ACDMR0730SV-R22MT	0.22±20%	100K/1V	27	34	21	24	3
ACDMR0730SV-R24MT	0.24±20%	100K/1V	22.4	28	18.4	23	3.1
ACDMR0730SV-R33MT	0.33±20%	100K/1V	20	25	19	21	3.5
ACDMR0730SV-R47MT	0.47±20%	100K/1V	16	20	16.5	18	4.1
ACDMR0730SV-R56MT	0.56±20%	100K/1V	14.4	18	15	16.5	4.5
ACDMR0730SV-R68MT	0.68±20%	100K/1V	13.6	17	14.5	16	5.3
ACDMR0730SV-1R0MT	1.0±20%	100K/1V	12	15	10.5	12	7.4
ACDMR0730SV-1R5MT	1.5±20%	100K/1V	9.6	12	10.5	12	12.1
ACDMR0730SV-2R2MT	2.2±20%	100K/1V	8	10	8.5	9.5	15
ACDMR0730SV-3R3MT	3.3±20%	100K/1V	7.6	9.5	7.5	8.5	22
ACDMR0730SV-4R7MT	4.7±20%	100K/1V	7.2	9	5	6	33
ACDMR0730SV-5R6MT	5.6±20%	100K/1V	5.2	6.5	4.8	5.5	42
ACDMR0730SV-6R8MT	6.8±20%	100K/1V	4.8	6	4.2	5	48
ACDMR0730SV-8R2MT	8.2±20%	100K/1V	4.4	5.5	4.2	5	60
ACDMR0730SV-100MT	10±20%	100K/1V	4.4	5.5	3.8	4.5	68
ACDMR0730SV-150MT	15±20%	100K/1V	3.2	4	2.3	3	113
ACDMR0730SV-220MT	22±20%	100K/1V	2.4	3	2	2.5	170
ACDMR0730SV-330MT	33±20%	100K/1V	2	2.5	1.6	2	270
ACDMR0730SV-470MT	47±20%	100K/1V	1.6	2	1.2	1.5	385

1.Comply with AEC-Q200

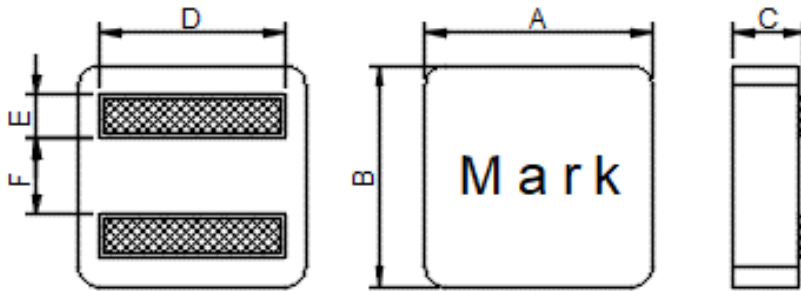
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.90	± 0.25
B	7.70	± 0.25
C	3.10	Max
D	6.60	Typ
E	2.00	Typ
F	2.90	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0730UHV-1R0MT	1.0±20%	100K/0.1V	28	21.8	5
ACDMR0730UHV-1R5MT	1.5±20%	100K/0.1V	23.5	15.3	8.25
ACDMR0730UHV-2R2MT	2.2±20%	100K/0.1V	17	13	13.7
ACDMR0730UHV-2R7MT	2.7±20%	100K/0.1V	13.5	11.4	15.4
ACDMR0730UHV-3R3MT	3.3±20%	100K/0.1V	13	10	18
ACDMR0730UHV-4R7MT	4.7±20%	100K/0.1V	12.2	9	26.7
ACDMR0730UHV-5R6MT	5.6±20%	100K/0.1V	11.5	7.3	33.2
ACDMR0730UHV-6R8MT	6.8±20%	100K/0.1V	11	6.8	42.5
ACDMR0730UHV-8R2MT	8.2±20%	100K/0.1V	9	5.9	48.73

1.Comply with AEC-Q200

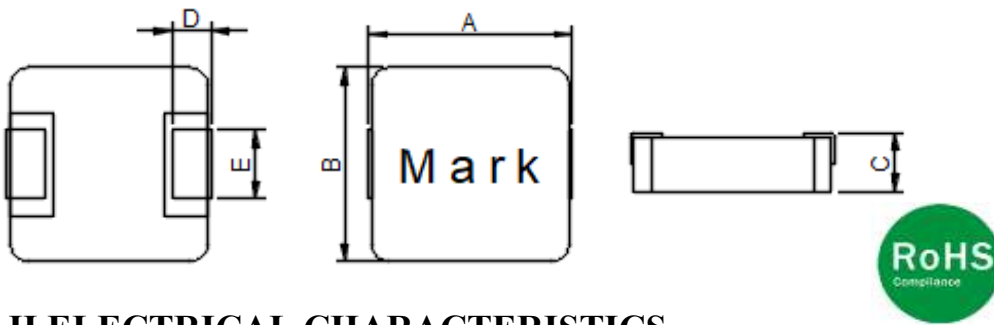
2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.10	± 0.30
B	6.60	± 0.20
C	4.00	Max
D	1.60	±0.50
E	3.00	±0.50

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0740SV-R68MT	0.68±20%	100K/1V	17	19	16	17	4.8
ACDMR0740SV-1R0MT	1.0±20%	100K/1V	15	16	12.5	13.5	6.6
ACDMR0740SV-1R5MT	1.5±20%	100K/1V	12	12.5	11	12.4	10
ACDMR0740SV-2R2MT	2.2±20%	100K/1V	10	11	8.5	10	14
ACDMR0740SV-3R3MT	3.3±20%	100K/1V	8.7	9.5	7.8	8.5	20
ACDMR0740SV-4R7MT	4.7±20%	100K/1V	8	9	6	6.5	30
ACDMR0740SV-6R8MT	6.8±20%	100K/1V	6	6.5	5	5.5	45
ACDMR0740SV-100MT	10±20%	100K/1V	5	6	4	4.8	65
ACDMR0740SV-150MT	15±20%	100K/1V	4	4.5	3.2	3.7	95
ACDMR0740SV-220MT	22±20%	100K/1V	3.5	4	3	3.3	125
ACDMR0740SV-330MT	33±20%	100K/1V	2.5	3	2	2.2	240
ACDMR0740SV-470MT	47±20%	100K/1V	2	2.5	1.6	1.8	320

1.Comply with AEC-Q200

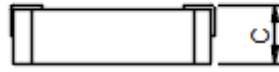
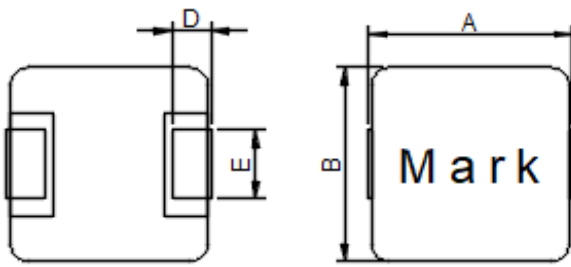
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.10	± 0.30
B	6.60	± 0.20
C	5.00	Max
D	1.60	±0.50
E	3.00	±0.50



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0750SV-R47MT	0.47±20%	100K/1V	16.8	21	17	20	3.9
ACDMR0750SV-R68MT	0.68±20%	100K/1V	14.4	18	14.5	16.5	4.5
ACDMR0750SV-1R0MT	1.0±20%	100K/1V	12.8	16	10	12	6.6
ACDMR0750SV-1R5MT	1.5±20%	100K/1V	10.4	13	8.2	9.5	10
ACDMR0750SV-2R2MT	2.2±20%	100K/1V	8.8	11	8	9	12.5
ACDMR0750SV-3R3MT	3.3±20%	100K/1V	8	10	7.6	8.5	22
ACDMR0750SV-4R7MT	4.7±20%	100K/1V	6.4	8	5	6	29
ACDMR0750SV-6R8MT	6.8±20%	100K/1V	5.04	6.3	4	5.8	41
ACDMR0750SV-8R2MT	8.2±20%	100K/1V	4.4	5.5	4.8	5.5	48
ACDMR0750SV-100MT	10±20%	100K/1V	4.24	5.3	3.8	4.5	60
ACDMR0750SV-150MT	15±20%	100K/1V	3.2	4	2.6	3.1	90
ACDMR0750SV-220MT	22±20%	100K/1V	2.8	3.5	2	2.6	140
ACDMR0750SV-330MT	33±20%	100K/1V	2.4	3	1.8	2.3	190
ACDMR0750SV-470MT	47±20%	100K/1V	2.08	2.6	1.5	2	230

1.Comply with AEC-Q200

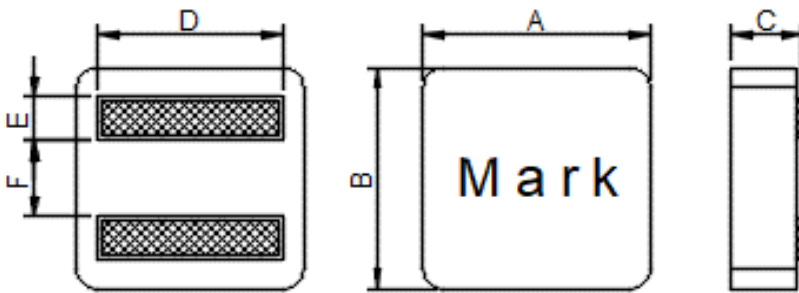
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.90	± 0.25
B	7.70	± 0.25
C	7.00	Max
D	6.60	Typ
E	2.00	Typ
F	2.90	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR0770UHV-3R3MT	3.3±20%	100K/0.1V	19.4	15.1	9.42
ACDMR0770UHV-4R7MT	4.7±20%	100K/0.1V	15.2	13.6	14.26
ACDMR0770UHV-6R8MT	6.8±20%	100K/0.1V	12.8	9.2	19.6

1.Comply with AEC-Q200

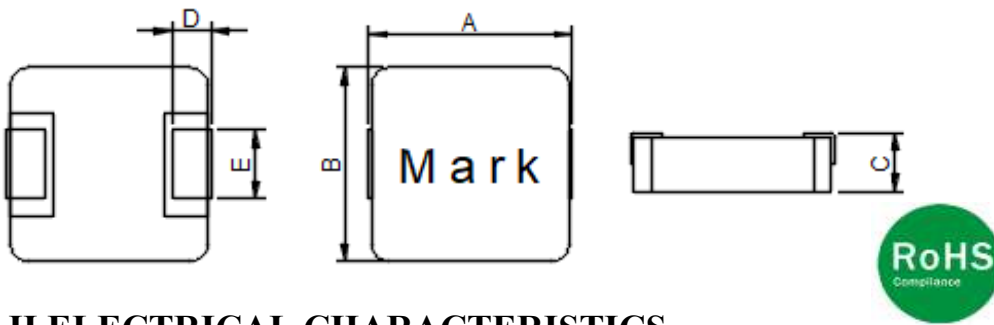
2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	8.30	± 0.40
B	8.10	± 0.40
C	4.00	Max
D	1.60	±0.50
E	3.00	±0.50

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR0840SV-R22MT	0.22±20%	100K/1V	55	60	30	36	1.8
ACDMR0840SV-R33MT	0.33±20%	100K/1V	40	45	25	30	2.4
ACDMR0840SV-R47MT	0.47±20%	100K/1V	36	42	25	28	2.8
ACDMR0840SV-R56MT	0.56±20%	100K/1V	23	26	22	24	3.2
ACDMR0840SV-R68MT	0.68±20%	100K/1V	22	24	21	23	3.8
ACDMR0840SV-R82MT	0.82±20%	100K/1V	19	21	19	21	4.4
ACDMR0840SV-1R0MT	1.0±20%	100K/1V	17	19	17	19	4.62
ACDMR0840SV-1R5MT	1.5±20%	100K/1V	15	17	15	17	7.6
ACDMR0840SV-1R8MT	1.8±20%	100K/1V	13.5	15	12.5	15	11
ACDMR0840SV-2R2MT	2.2±20%	100K/1V	12	14	12	14	11.4
ACDMR0840SV-3R3MT	3.3±20%	100K/1V	11	12.5	10	12	15
ACDMR0840SV-4R7MT	4.7±20%	100K/1V	10.5	11.5	8.5	9.5	26.5
ACDMR0840SV-5R6MT	5.6±20%	100K/1V	10	11	8	9	30
ACDMR0840SV-6R8MT	6.8±20%	100K/1V	8	9	7	8	36.8
ACDMR0840SV-8R2MT	8.2±20%	100K/1V	7.7	8.7	6	7	46
ACDMR0840SV-100MT	10±20%	100K/1V	7	8	5.5	6.5	59
ACDMR0840SV-150MT	15±20%	100K/1V	4.9	5.5	4.8	5.4	71
ACDMR0840SV-220MT	22±20%	100K/1V	4.5	5	4.2	4.8	113
ACDMR0840SV-330MT	33±20%	100K/1V	3.3	3.5	3	3.5	156
ACDMR0840SV-470MT	47±20%	100K/1V	2.9	3.1	2.5	2.9	225

1.Comply with AEC-Q200

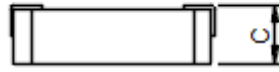
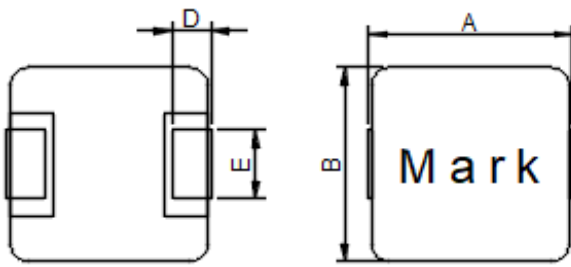
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	11.10	± 0.40
B	10.00	± 0.40
C	3.00	Max
D	2.00	±0.50
E	3.00	±0.50



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR1030SV-R22MT	0.22±20%	100K/1V	44.24	50	29.2	33	1.2
ACDMR1030SV-R33MT	0.33±20%	100K/1V	28.3	32	20.35	23	1.6
ACDMR1030SV-R36MT	0.36±20%	100K/1V	24.8	28	20.35	23	1.6
ACDMR1030SV-R47MT	0.47±20%	100K/1V	23	26	19.47	22	2.5
ACDMR1030SV-R82MT	0.82±20%	100K/1V	20.35	23	15.93	18	3.7
ACDMR1030SV-1R0MT	1.0±20%	100K/1V	18.58	21	13.27	15	6
ACDMR1030SV-1R5MT	1.5±20%	100K/1V	17.69	20	11.5	13	7.5
ACDMR1030SV-2R2MT	2.2±20%	100K/1V	12.38	14	9.73	11	9
ACDMR1030SV-3R3MT	3.3±20%	100K/1V	10.61	12	7.96	9	16
ACDMR1030SV-4R7MT	4.7±20%	100K/1V	8.84	10	6.19	7	22.5
ACDMR1030SV-8R2MT	8.2±20%	100K/1V	6.2	7	4.42	5	45
ACDMR1030SV-100MT	10±20%	100K/1V	5.75	6.5	3.98	4.5	55
ACDMR1030SV-330MT	33±20%	100K/1V	3.53	4	2.3	2.6	160

1.Comply with AEC-Q200

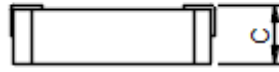
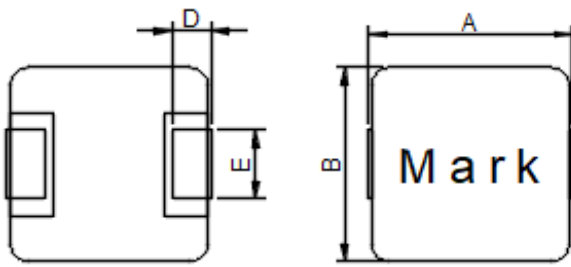
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	11.10	± 0.40
B	10.00	± 0.40
C	4.00	Max
D	2.00	±0.50
E	3.00	±0.50



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR1040SV-R15MT	0.15±20%	100K/1V	60	75	40	45	0.65
ACDMR1040SV-R22MT	0.22±20%	100K/1V	48	60	30	35	1
ACDMR1040SV-R47MT	0.47±20%	100K/1V	32	40	25	30	1.7
ACDMR1040SV-1R0MT	1.0±20%	100K/1V	22.4	28	16	19	3.3
ACDMR1040SV-1R5MT	1.5±20%	100K/1V	19.2	24	14	16	4.2
ACDMR1040SV-2R2MT	2.2±20%	100K/1V	13.2	16.5	10	12	7
ACDMR1040SV-3R3MT	3.3±20%	100K/1V	12.8	16	9.5	11	11.8
ACDMR1040SV-4R7MT	4.7±20%	100K/1V	10.4	13	7.5	9	20
ACDMR1040SV-6R8MT	6.8±20%	100K/1V	9.6	12	7	8.5	25
ACDMR1040SV-8R2MT	8.2±20%	100K/1V	7.2	5	6.8	8	27
ACDMR1040SV-100MT	10±20%	100K/1V	6.8	8.5	6.9	7.8	30
ACDMR1040SV-150MT	15±20%	100K/1V	5.6	7	5.6	6.5	45
ACDMR1040SV-220MT	22±20%	100K/1V	4.4	5.5	4.2	5	66
ACDMR1040SV-330MT	33±20%	100K/1V	3.84	4.8	3.8	4.4	92
ACDMR1040SV-470MT	47±20%	100K/1V	3.1	3.5	2.8	3.3	145
ACDMR1040SV-680MT	68±20%	100K/1V	2.4	3	2	2.5	195
ACDMR1040SV-820MT	82±20%	100K/1V	2.3	2.8	2.1	2.3	285
ACDMR1040SV-101MT	100±20%	100K/1V	2.1	2.3	1.8	2	340

1. Comply with AEC-Q200

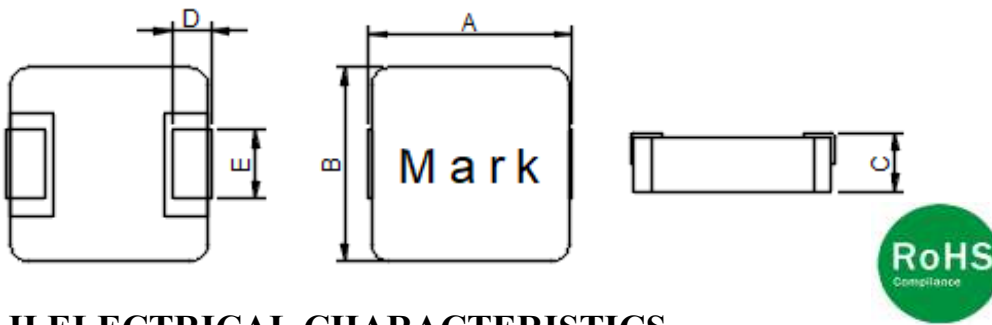
2. Operating Temp: -55~+155°C

3. Storage Temp: -55~+155°C (on board)

4. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	11.10	± 0.40
B	10.00	± 0.40
C	5.00	Max
D	2.00	±0.50
E	3.00	±0.50

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR1050SV-R22MT	0.22±20%	100K/1V	57.5	65	32.5	37	0.8
ACDMR1050SV-R68MT	0.68±20%	100K/1V	34	37	21	23	1.95
ACDMR1050SV-1R0MT	1.0±20%	100K/1V	28	30	20.3	23	3
ACDMR1050SV-1R5MT	1.5±20%	100K/1V	22	25	18.5	21	3.8
ACDMR1050SV-2R2MT	2.2±20%	100K/1V	16.8	19	13.2	15	6
ACDMR1050SV-3R3MT	3.3±20%	100K/1V	14	16	11.5	13	10
ACDMR1050SV-4R7MT	4.7±20%	100K/1V	13.2	15	9.7	11	14
ACDMR1050SV-5R6MT	5.6±20%	100K/1V	12.3	14	8.5	9.5	17
ACDMR1050SV-6R8MT	6.8±20%	100K/1V	12.3	14	8	9	18.5
ACDMR1050SV-100MT	10±20%	100K/1V	8.8	10	7	8	28
ACDMR1050SV-150MT	15±20%	100K/1V	6.5	7.5	5.7	6.5	42
ACDMR1050SV-220MT	22±20%	100K/1V	5.3	6	5	5.5	50
ACDMR1050SV-330MT	33±20%	100K/1V	4.6	5.2	4.2	4.8	86
ACDMR1050SV-470MT	47±20%	100K/1V	4	4.5	3.2	3.7	127
ACDMR1050SV-680MT	68±20%	100K/1V	2.8	3.2	2.4	2.7	185
ACDMR1050SV-820MT	82±20%	100K/1V	3	3.5	1.7	2	280
ACDMR1050SV-101MT	100±20%	100K/1V	2.5	2.8	1.8	2.1	290

1.Comply with AEC-Q200

2.Operating Temp:-55~+155°C

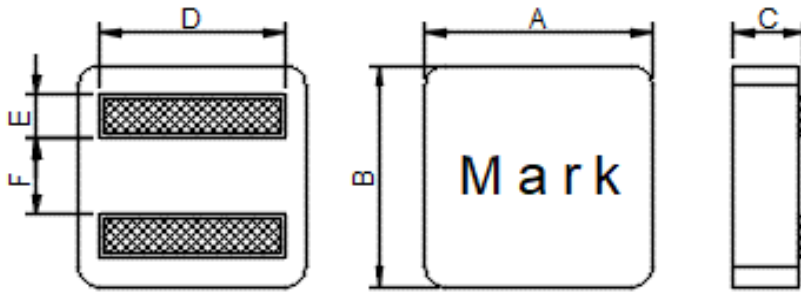
3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1060UHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	12.20	± 0.3
B	11.30	± 0.3
C	6.00	Max
D	9.50	Typ
E	2.60	Typ
F	4.20	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR1060UHV-R18MT	0.18±20%	100K/0.1V	120	46	0.6
ACDMR1060UHV-R40MT	0.4±20%	100K/0.1V	82	36.8	0.9
ACDMR1060UHV-R68MT	0.68±20%	100K/0.1V	52	33.9	1.6
ACDMR1060UHV-1R2MT	1.2±20%	100K/0.1V	43	26.3	2.8
ACDMR1060UHV-1R5MT	1.5±20%	100K/0.1V	36	26	3.4
ACDMR1060UHV-2R2MT	2.2±20%	100K/0.1V	32	20	5.1
ACDMR1060UHV-3R3MT	3.3±20%	100K/0.1V	26	16.8	8.1
ACDMR1060UHV-4R7MT	4.7±20%	100K/0.1V	25	14	10.9

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

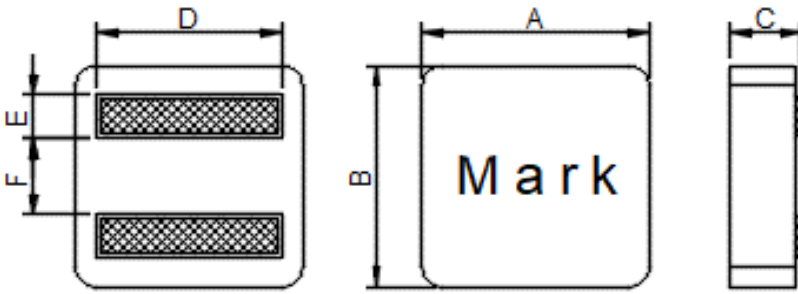
3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1010UHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	12.20	± 0.3
B	11.30	± 0.3
C	10.00	Max
D	9.50	Typ
E	2.60	Typ
F	4.20	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR1010UHV-1R0MT	1.0±20%	100K/0.1V	50	40	1.2
ACDMR1010UHV-2R2MT	2.2±20%	100K/0.1V	34	32	2.8
ACDMR1010UHV-3R3MT	3.3±20%	100K/0.1V	27.4	25	4.1
ACDMR1010UHV-4R7MT	4.7±20%	100K/0.1V	25.4	24	5.7
ACDMR1010UHV-5R6MT	5.6±20%	100K/0.1V	23.6	21.2	7.2
ACDMR1010UHV-6R8MT	6.8±20%	100K/0.1V	21.8	18.5	8.9
ACDMR1010UHV-8R2MT	8.2±20%	100K/0.1V	18.3	17.1	12.4
ACDMR1010UHV-100MT	10±20%	100K/0.1V	17.5	15.5	13.75
ACDMR1010UHV-150MT	15±20%	100K/0.1V	15.5	13.8	19.3

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

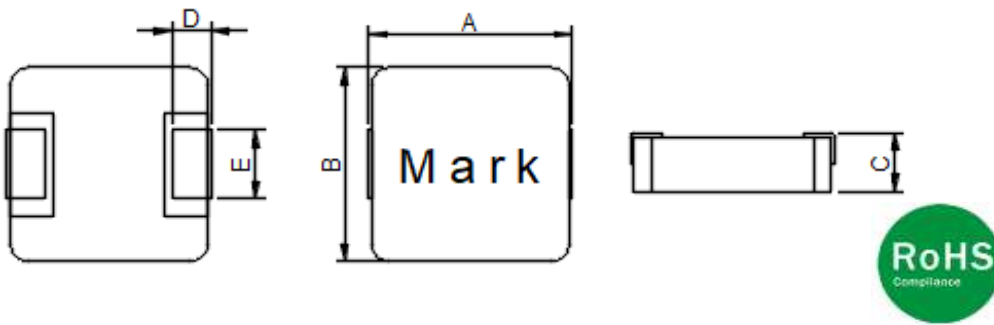
3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1340SV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	13.45	± 0.35
B	12.60	± 0.40
C	4.00	Max
D	2.20	±0.50
E	L≤2.2	3.8±0.50
E	L>2.2	5.0±0.30

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR1340SV-R22MT	0.22±20%	100K/1V	40	50	38	42	0.9
ACDMR1340SV-R47MT	0.47±20%	100K/1V	38.4	48	29	33	2
ACDMR1340SV-R68MT	0.68±20%	100K/1V	37.6	47	24	28	3.5
ACDMR1340SV-R82MT	0.82±20%	100K/1V	32	40	24	28	4.5
ACDMR1340SV-1R0MT	1.0±20%	100K/1V	28	35	20	24	7.5
ACDMR1340SV-1R5MT	1.5±20%	100K/1V	24.4	30.5	17	20	9.5
ACDMR1340SV-2R2MT	2.2±20%	100K/1V	20.8	26	15	18	11.5
ACDMR1340SV-3R3MT	3.3±20%	100K/1V	16.8	21	13	15	13
ACDMR1340SV-4R7MT	4.7±20%	100K/1V	14.4	18	11	13	14.5
ACDMR1340SV-6R8MT	6.8±20%	100K/1V	11.2	14	8	9	20
ACDMR1340SV-100MT	10±20%	100K/1V	8	10	7	8	25
ACDMR1340SV-150MT	15±20%	100K/1V	6	7.5	5.8	6.5	39
ACDMR1340SV-220MT	22±20%	100K/1V	4.8	6	3.8	4.5	51

1.Comply with AEC-Q200

2.Operating Temp:-55~+155°C

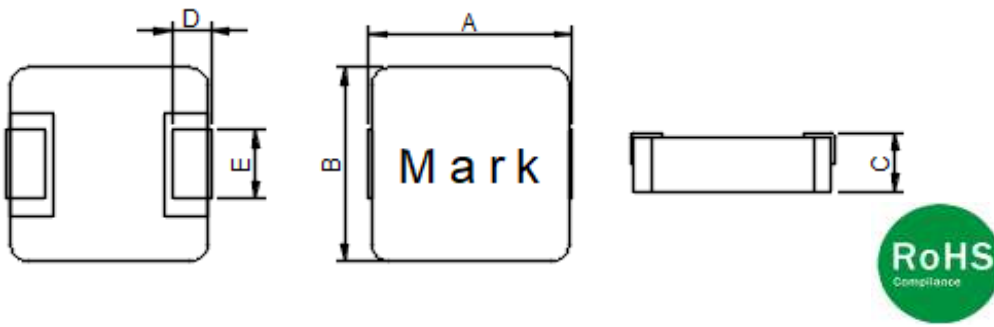
3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1350SV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	13.45	± 0.35
B	12.60	± 0.40
C	5.00	Max
D	2.20	±0.50
E	L≤2.2	3.8±0.50
E	L>2.2	5.0±0.30

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR1350SV-R22MT	0.22±20%	100K/1V	60	75	45	50	0.7
ACDMR1350SV-R36MT	0.36±20%	100K/1V	40	50	37	42	0.85
ACDMR1350SV-R50MT	0.50±20%	100K/1V	38.4	48	33	38	1.15
ACDMR1350SV-R68MT	0.68±20%	100K/1V	36.8	46	29	33	1.55
ACDMR1350SV-R82MT	0.82±20%	100K/1V	31.2	39	26	30	1.67
ACDMR1350SV-1R0MT	1.0±20%	100K/1V	28	35	22	26	2.2
ACDMR1350SV-1R5MT	1.5±20%	100K/1V	26.4	33	19	23	3.2
ACDMR1350SV-2R2MT	2.2±20%	100K/1V	19.2	24	13	15	5
ACDMR1350SV-3R3MT	3.3±20%	100K/1V	17.6	22	12	14	7
ACDMR1350SV-4R7MT	4.7±20%	100K/1V	16	20	11	13	9
ACDMR1350SV-6R8MT	6.8±20%	100K/1V	12.8	16	10	12	18
ACDMR1350SV-100MT	10±20%	100K/1V	9.6	12	8	9	22
ACDMR1350SV-150MT	15±20%	100K/1V	8	10	7	8	30
ACDMR1350SV-220MT	22±20%	100K/1V	5.2	6.5	3.8	4.5	58
ACDMR1350SV-330MT	33±20%	100K/1V	4.8	6	2.8	3.5	84
ACDMR1350SV-470MT	47±20%	100K/1V	4	5	2.6	3	130

1.Comply with AEC-Q200

2.Operating Temp:-55~+155°C

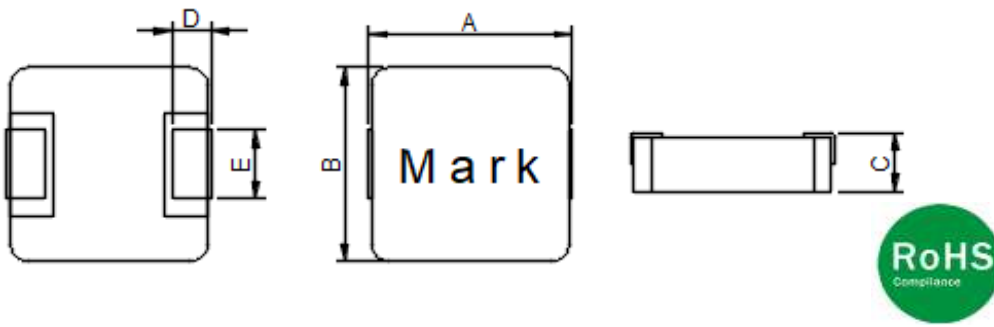
3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1360SV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	13.45	± 0.35
B	12.60	± 0.40
C	6.00	Max
D	2.20	±0.50
E	L≤2.2	3.8±0.50
E	L>2.2	5.0±0.30

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)		Irms (A)		DCR (mΩ)
			Max	Typ	Max	Typ	Max
ACDMR1360SV-1R5MT	1.5±20%	100K/1V	27	30	23	27	2.9
ACDMR1360SV-2R2MT	2.2±20%	100K/1V	24	28	18	22	4.2
ACDMR1360SV-3R3MT	3.3±20%	100K/1V	21	25	14	17	6.8
ACDMR1360SV-4R7MT	4.7±20%	100K/1V	19.2	24	12	15	9
ACDMR1360SV-5R6MT	5.6±20%	100K/1V	18	22.5	11	13	11
ACDMR1360SV-6R8MT	6.8±20%	100K/1V	15.2	19	10	12	13.5
ACDMR1360SV-8R2MT	8.2±20%	100K/1V	10.8	13.5	9	11	16
ACDMR1360SV-100MT	10±20%	100K/1V	11.1	12.5	8.5	10	20.7
ACDMR1360SV-120MT	12±20%	100K/1V	8	10	7.8	9	23
ACDMR1360SV-150MT	15±20%	100K/1V	7.2	9	7.5	8.5	29
ACDMR1360SV-180MT	18±20%	100K/1V	6.4	8	6.5	7.5	35
ACDMR1360SV-220MT	22±20%	100K/1V	6	7.5	6	7	39.5
ACDMR1360SV-270MT	27±20%	100K/1V	5.2	6.5	5	6	56
ACDMR1360SV-330MT	33±20%	100K/1V	4.8	6	4.8	5.5	75
ACDMR1360SV-470MT	47±20%	100K/1V	4.4	5.5	4.2	5	90
ACDMR1360SV-680MT	68±20%	100K/1V	3.6	4.5	3.2	4	140
ACDMR1360SV-101MT	100±20%	100K/1V	2.8	3.5	2.5	3	200
ACDMR1360SV-121MT	120±20%	100K/1V	2.56	3.2	1.7	2	235
ACDMR1360SV-151MT	150±20%	100K/1V	2.16	2.7	1.2	1.5	350

1.Comply with AEC-Q200

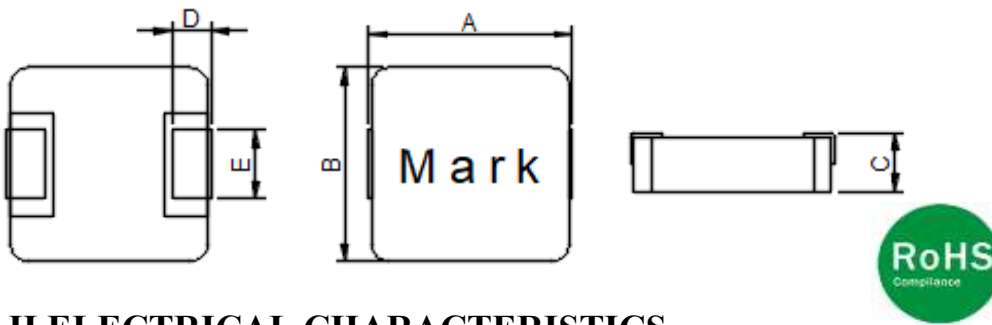
2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	13.45	± 0.35
B	12.60	± 0.40
C	6.50	Max
D	2.20	±0.50
E	5.00	±0.30

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)	Irms (A)	DCR (mΩ)
			Typ	Typ	Max
ACDMR1365SV-4R7MT	4.7±20%	100K/1V	24	16	8.5
ACDMR1365SV-5R6MT	5.6±20%	100K/1V	22.5	14	10.5
ACDMR1365SV-6R8MT	6.8±20%	100K/1V	19	13	12
ACDMR1365SV-8R2MT	8.2±20%	100K/1V	16	12	14
ACDMR1365SV-100MT	10±20%	100K/1V	15	11	16.5
ACDMR1365SV-150MT	15±20%	100K/1V	11	9.5	26
ACDMR1365SV-220MT	22±20%	100K/1V	9	8	36
ACDMR1365SV-330MT	33±20%	100K/1V	8	6.5	65
ACDMR1365SV-470MT	47±20%	100K/1V	6.8	5.5	70
ACDMR1365SV-680MT	68±20%	100K/1V	5.2	4.8	120
ACDMR1365SV-820MT	82±20%	100K/1V	4.5	4	135
ACDMR1365SV-101MT	100±20%	100K/1V	4	3.5	170

1.Comply with AEC-Q200

2.Operating Temp:-55~+155°C

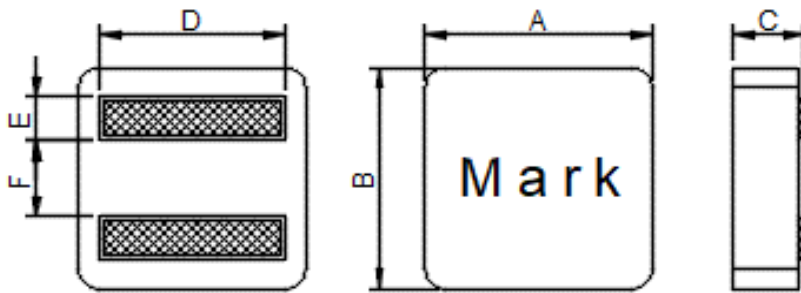
3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1580UHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	16.60	± 0.3
B	15.60	± 0.3
C	8.00	Max
D	13.80	Typ
E	3.60	Typ
F	7.00	Typ



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR1580UHV-2R0MT	2.0±20%	100K/0.1V	52	40	2.21
ACDMR1580UHV-2R2MT	2.2±20%	100K/0.1V	49	37	2.48
ACDMR1580UHV-3R0MT	3.0±20%	100K/0.1V	41	34.5	3
ACDMR1580UHV-4R2MT	4.2±20%	100K/0.1V	33	27	4.68
ACDMR1580UHV-4R7MT	4.7±20%	100K/0.1V	32	26.5	5.16
ACDMR1580UHV-5R3MT	5.3±20%	100K/0.1V	31	26	5.34
ACDMR1580UHV-6R2MT	6.2±20%	100K/0.1V	31	23	6.5
ACDMR1580UHV-7R2MT	7.2±20%	100K/0.1V	29	21	7.2
ACDMR1580UHV-8R2MT	8.2±20%	100K/0.1V	25	19	7.92

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

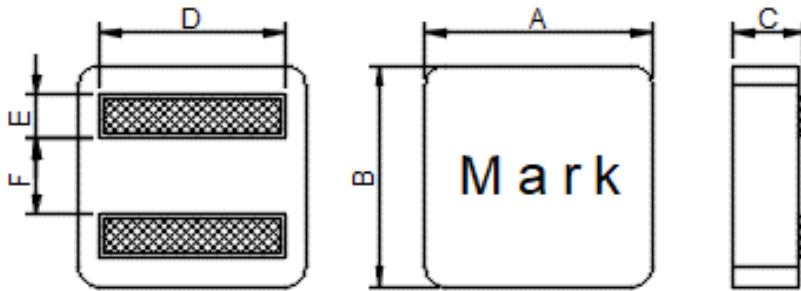
3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1510UHV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	16.60	± 0.3
B	15.60	± 0.3
C	10.00	Max
D	13.80	Typ
E	3.60	Typ
F	7.00	Typ

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max
ACDMR1510UHV-4R7MT	4.7±20%	100K/0.1V	39	29	3.8
ACDMR1510UHV-5R6MT	5.6±20%	100K/0.1V	37	28	4.2
ACDMR1510UHV-6R8MT	6.8±20%	100K/0.1V	36	26	4.6
ACDMR1510UHV-8R2MT	8.2±20%	100K/0.1V	30	24	7.2
ACDMR1510UHV-100MT	10±20%	100K/0.1V	26.5	22	8.6
ACDMR1510UHV-150MT	15±20%	100K/0.1V	23	18	11.5
ACDMR1510UHV-220MT	22±20%	100K/0.1V	18.7	14	15.8
ACDMR1510UHV-330MT	33±20%	100K/0.1V	16.7	12	20

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

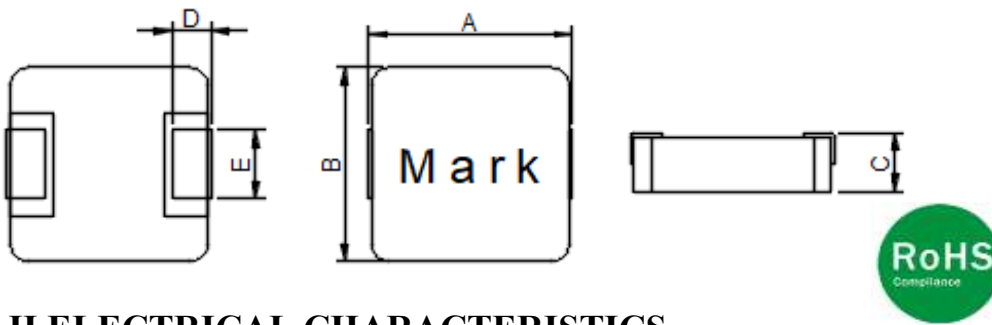
3.Storage Temp:-40~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

ACDMR1770SV SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	17.90	± 0.40
B	17.00	± 0.40
C	7.00	Max
D	2.50	±0.50
E	11.90	±0.50

II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A)	Irms (A)	DCR (mΩ)
			Typ	Typ	Max
ACDMR1770SV-2R2MT	2.2±20%	100K/1V	34	29	2.5
ACDMR1770SV-3R3MT	3.3±20%	100K/1V	30	24	3.95
ACDMR1770SV-4R7MT	4.7±20%	100K/1V	24	21	4.75
ACDMR1770SV-6R8MT	6.8±20%	100K/1V	22	17	7.5
ACDMR1770SV-8R2MT	8.2±20%	100K/1V	20	13	8.7
ACDMR1770SV-100MT	10±20%	100K/1V	19	12	9.9
ACDMR1770SV-150MT	15±20%	100K/1V	14.5	11	17
ACDMR1770SV-220MT	22±20%	100K/1V	11.5	8.5	23
ACDMR1770SV-330MT	33±20%	100K/1V	10	8	37
ACDMR1770SV-470MT	47±20%	100K/1V	7.5	6	47
ACDMR1770SV-680MT	68±20%	100K/1V	6.5	5.2	85
ACDMR1770SV-101MT	100±20%	100K/1V	5	3.7	130

1.Comply with AEC-Q200

2.Operating Temp:-55~+155°C

3.Storage Temp:-55~+155°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C