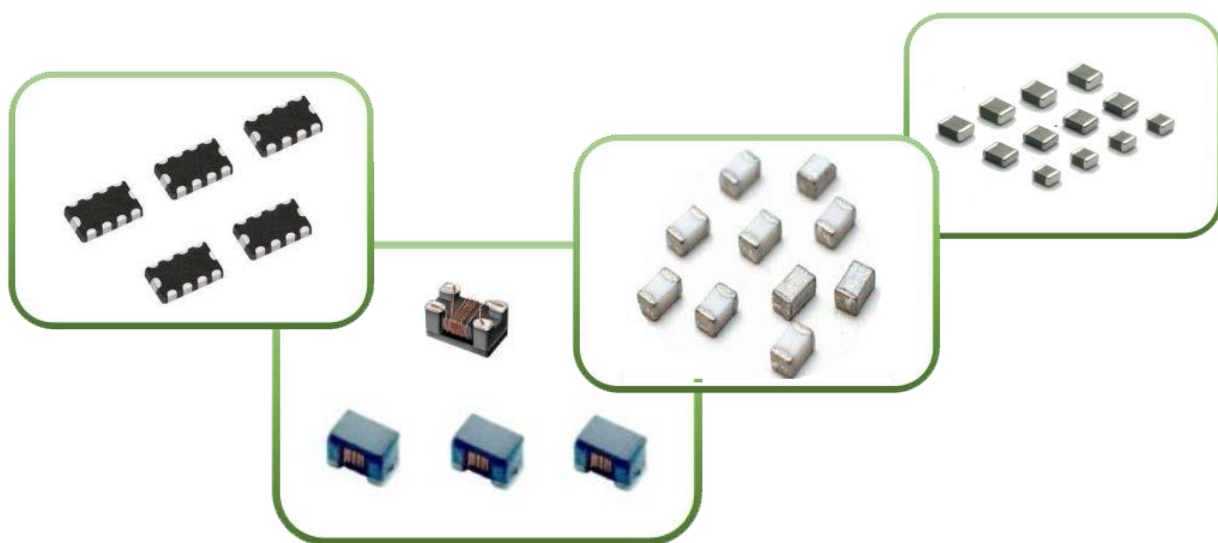




# 伸勇集團 成育科技股份有限公司

AMODE TECH.LTD.



## 磁珠疊層電感系列目錄 (2026年)

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# Catalog of Products

| SMD Type                        | Model                                                                              | P/N      | Size (mm) | Impedance( $\Omega$ ) | Page      |
|---------------------------------|------------------------------------------------------------------------------------|----------|-----------|-----------------------|-----------|
| Ferrite Chip Beads              |   | AFCM1005 | 1005      | 30-1000 $\Omega$      | <u>4</u>  |
|                                 |                                                                                    | AFCM1608 | 1608      | 10-2000 $\Omega$      | <u>5</u>  |
|                                 |                                                                                    | AFCM2012 | 2012      | 7-2000 $\Omega$       | <u>6</u>  |
|                                 |                                                                                    | AFCM3216 | 3216      | 26-600 $\Omega$       | <u>7</u>  |
| High Current Ferrite Chip Beads |   | AHCB1005 | 1005      | 10-600 $\Omega$       | <u>8</u>  |
|                                 |                                                                                    | AHCB1608 | 1608      | 26-600 $\Omega$       | <u>9</u>  |
|                                 |                                                                                    | AHCB2012 | 2012      | 30-600 $\Omega$       | <u>10</u> |
|                                 |                                                                                    | AHCB3216 | 3216      | 30-600 $\Omega$       | <u>11</u> |
|                                 |                                                                                    | AHCB4516 | 4516      | 60-80 $\Omega$        | <u>12</u> |
|                                 |                                                                                    | AHCB4532 | 4532      | 80-1300 $\Omega$      | <u>13</u> |
| Ferrite Chip Bead Array         |  | AFCA3216 | 3216      | 30-1000 $\Omega$      | <u>14</u> |

# Catalog of Products

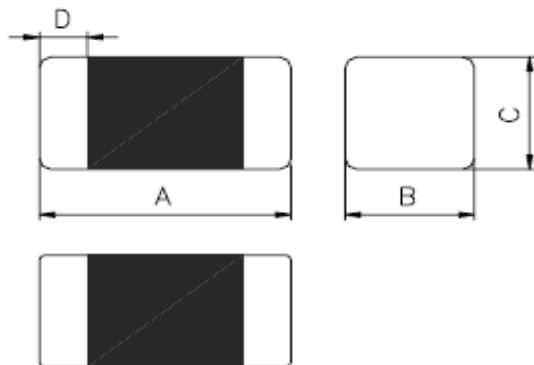
| SMD Type                                | Model                                                                               | P/N          | Size (mm) | Inductance(uH) | Page               |
|-----------------------------------------|-------------------------------------------------------------------------------------|--------------|-----------|----------------|--------------------|
| Ferrite Chip Inductors                  |    | AFCI1005     | 1005      | 0.22-2.2uH     | <a href="#">15</a> |
|                                         |                                                                                     | AFCI1608     | 1608      | 0.047-10uH     | <a href="#">16</a> |
|                                         |                                                                                     | AFCI2012     | 2012      | 0.047-10uH     | <a href="#">17</a> |
|                                         |                                                                                     | AFCI3216     | 3216      | 0.047-10uH     | <a href="#">18</a> |
| Multilayer Type Power Inductor          |    | ACPI160809   | 160809    | 0.33-2.2uH     | <a href="#">19</a> |
|                                         |                                                                                     | ACPI201610UF | 201610    | 0.47-4.7uH     | <a href="#">20</a> |
| Wirewound Ferrite Chip Inductors        |    | ASWF1608     | 1608      | 0.047-10uH     | <a href="#">21</a> |
|                                         |                                                                                     | ASWF2012     | 2012      | 0.047-33uH     | <a href="#">23</a> |
|                                         |                                                                                     | ASWF2520     | 2520      | 1-33uH         | <a href="#">24</a> |
|                                         |                                                                                     | ASWF3225     | 3225      | 1-680uH        | <a href="#">25</a> |
| High Frequency Wirewound Chip Inductors |   | ASWI0402     | 1005      | 0.001-0.1uH    | <a href="#">26</a> |
|                                         |                                                                                     | ASWI0603     | 1608      | 0.002-0.39uH   | <a href="#">28</a> |
|                                         |                                                                                     | ASWI0805     | 2012      | 0.0028-1.2uH   | <a href="#">30</a> |
|                                         |                                                                                     | ASWI1008     | 2520      | 0.01-10uH      | <a href="#">32</a> |
| Wire Wound Power Inductor               |  | AFLC1608EJ   | 181311    | 1-22uH         | <a href="#">34</a> |
|                                         |                                                                                     | AFLC1608FJ   | 181313    | 1-22uH         | <a href="#">35</a> |
| Wire Wound RF Inductor                  |  | AFLC1608J    | 181210    | 0.27-47uH      | <a href="#">36</a> |
|                                         |                                                                                     | AFLC2012J    | 241714    | 0.1-68uH       | <a href="#">38</a> |

# Catalog of Products

| SMD Type                     | Model                                                                             | P/N        | Size (mm) | Impedance( $\Omega$ ) | Page                      |
|------------------------------|-----------------------------------------------------------------------------------|------------|-----------|-----------------------|---------------------------|
| Wirewound Common Mode Chokes |  | AWCM2012   | 2012      | 67-1000 $\Omega$      | <u><a href="#">40</a></u> |
|                              |                                                                                   | AWCM3216   | 3216      | 90-2200 $\Omega$      | <u><a href="#">41</a></u> |
|                              |                                                                                   | AWCM3225   | 3225      | 90-1000 $\Omega$      | <u><a href="#">42</a></u> |
|                              |                                                                                   | AWCM4532   | 4532      | 90-800 $\Omega$       | <u><a href="#">43</a></u> |
|                              |                                                                                   | AHDMI2012  | 2012      | 50-90 $\Omega$        | <u><a href="#">44</a></u> |
|                              |                                                                                   | AHSF1210   | 1210      | 50-90 $\Omega$        | <u><a href="#">45</a></u> |
|                              |                                                                                   | AHSF2012   | 2012      | 50-90 $\Omega$        | <u><a href="#">46</a></u> |
|                              |                                                                                   | ALCM4532   | 4532      | 300-5000 $\Omega$     | <u><a href="#">47</a></u> |
| Tri-wires Common Mode Chokes |  | ATCM252013 | 252013    | 67 $\Omega$           | <u><a href="#">48</a></u> |
| LAN Transformer              |                                                                                   | ATCM322512 | 322512    | 160-500 $\Omega$      | <u><a href="#">49</a></u> |
| Balun Filters                |                                                                                   | ATXF4532   | 4532      | 350 $\mu$ H           | <u><a href="#">50</a></u> |
|                              |                                                                                   | ABCM2012   | 2012      | 75 $\Omega$           | <u><a href="#">51</a></u> |

### Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |       |
|---|------|-------|
| A | 1.00 | ± 0.2 |
| B | 0.50 | ± 0.2 |
| C | 0.50 | ± 0.2 |
| D | 0.25 | ± 0.1 |

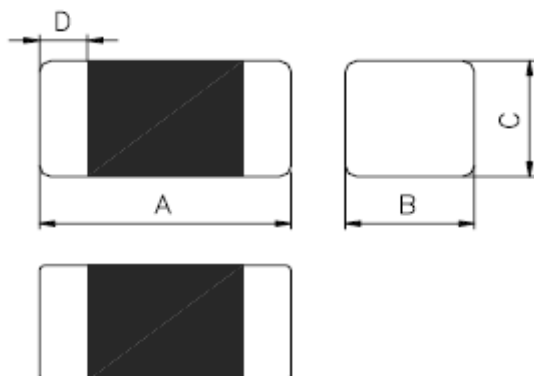


#### ELECTRICAL CHARACTERISTICS:

| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AFCM1005K-300T03 | 30±25%        | 100              | 300                   | 0.20                 |
| AFCM1005K-600T03 | 60±25%        | 100              | 300                   | 0.25                 |
| AFCM1005K-121T01 | 120±25%       | 100              | 100                   | 0.30                 |
| AFCM1005K-151T01 | 150±25%       | 100              | 100                   | 0.30                 |
| AFCM1005K-221T01 | 220±25%       | 100              | 100                   | 0.40                 |
| AFCM1005K-301T01 | 300±25%       | 100              | 100                   | 0.50                 |
| AFCM1005K-471T01 | 470±25%       | 100              | 100                   | 0.60                 |
| AFCM1005K-601T00 | 600±25%       | 100              | 80                    | 0.80                 |
| AFCM1005K-102T00 | 1000±25%      | 100              | 50                    | 1.20                 |
| AFCM1005M-600T01 | 60±25%        | 100              | 100                   | 0.30                 |
| AFCM1005M-121T00 | 120±25%       | 100              | 80                    | 0.45                 |
| AFCM1005M-221T00 | 220±25%       | 100              | 50                    | 0.60                 |
| AFCM1005M-301T00 | 300±25%       | 100              | 50                    | 0.75                 |

### Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

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

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AFCM1608K-300T07 | 30±25%        | 100              | 700                   | 0.20                 |
| AFCM1608K-600T07 | 60±25%        | 100              | 700                   | 0.20                 |
| AFCM1608K-121T06 | 120±25%       | 100              | 600                   | 0.25                 |
| AFCM1608K-151T06 | 150±25%       | 100              | 600                   | 0.25                 |
| AFCM1608K-221T05 | 220±25%       | 100              | 550                   | 0.30                 |
| AFCM1608K-301T05 | 300±25%       | 100              | 500                   | 0.35                 |
| AFCM1608K-471T03 | 470±25%       | 100              | 350                   | 0.45                 |
| AFCM1608K-601T03 | 600±25%       | 100              | 350                   | 0.50                 |
| AFCM1608K-102T02 | 1000±25%      | 100              | 200                   | 0.70                 |
| AFCM1608H-152T02 | 1500±25%      | 100              | 200                   | 1.00                 |
| AFCM1608H-202T01 | 2000±25%      | 100              | 150                   | 1.20                 |
| AFCM1608C-100T07 | 10±25%        | 100              | 700                   | 0.20                 |
| AFCM1608C-300T06 | 30±25%        | 100              | 600                   | 0.25                 |
| AFCM1608C-600T06 | 60±25%        | 100              | 600                   | 0.30                 |
| AFCM1608C-121T03 | 120±25%       | 100              | 300                   | 0.40                 |
| AFCM1608C-151T03 | 150±25%       | 100              | 300                   | 0.40                 |
| AFCM1608C-221T02 | 220±25%       | 100              | 250                   | 0.60                 |
| AFCM1608C-301T02 | 300±25%       | 100              | 200                   | 0.80                 |
| AFCM1608C-471T02 | 470±25%       | 100              | 200                   | 0.85                 |
| AFCM1608C-601T01 | 600±25%       | 100              | 150                   | 1.20                 |
| AFCM1608C-102T00 | 1000±25%      | 100              | 80                    | 1.50                 |

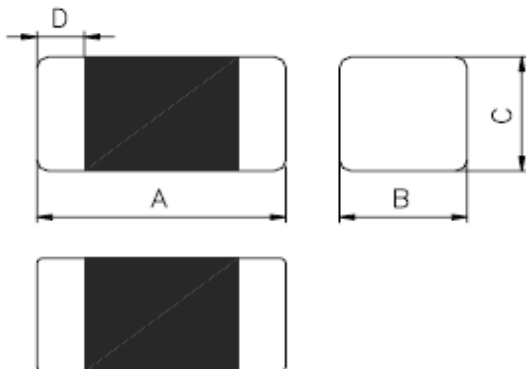


# Amode Tech. Ltd.

## AFCM2012 SERIES

### Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |                   |        |
|---|-------------------|--------|
| A | 2.00              | ± 0.30 |
| B | 1.25              | ± 0.30 |
| C | 0.85±0.3/1.25±0.3 |        |
| D | 0.30              | ± 0.20 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Thickness<br>C<br>size(mm) | Impedance<br>(Ω) | Test<br>Freq.<br>(MHz) | Rated<br>Current<br>(mA)Max | DC<br>Resistance<br>(Ω)Max |
|------------------|----------------------------|------------------|------------------------|-----------------------------|----------------------------|
| AFCM2012K-110T09 | 0.85±0.2                   | 11±25%           | 100                    | 900                         | 0.10                       |
| AFCM2012K-170T06 | 0.85±0.2                   | 17±25%           | 100                    | 600                         | 0.10                       |
| AFCM2012K-260T06 | 0.85±0.2                   | 26±25%           | 100                    | 600                         | 0.10                       |
| AFCM2012K-300T06 | 0.85±0.2                   | 30±25%           | 100                    | 600                         | 0.10                       |
| AFCM2012K-400T06 | 0.85±0.2                   | 40±25%           | 100                    | 600                         | 0.10                       |
| AFCM2012K-600T09 | 0.85±0.2                   | 60±25%           | 100                    | 900                         | 0.10                       |
| AFCM2012K-121T08 | 0.85±0.2                   | 120±25%          | 100                    | 800                         | 0.20                       |
| AFCM2012K-151T08 | 0.85±0.2                   | 150±25%          | 100                    | 800                         | 0.20                       |
| AFCM2012K-221T07 | 0.85±0.2                   | 220±25%          | 100                    | 750                         | 0.30                       |
| AFCM2012K-301T07 | 0.85±0.2                   | 300±25%          | 100                    | 700                         | 0.30                       |
| AFCM2012K-471T07 | 0.85±0.2                   | 470±25%          | 100                    | 700                         | 0.35                       |
| AFCM2012K-601T05 | 0.85±0.2                   | 600±25%          | 100                    | 500                         | 0.40                       |
| AFCM2012K-102T04 | 0.85±0.2                   | 1000±25%         | 100                    | 400                         | 0.45                       |
| AFCM2012H-102T04 | 0.85±0.2                   | 1000±25%         | 100                    | 400                         | 0.45                       |
| AFCM2012H-152T03 | 0.85±0.2                   | 1500±25%         | 100                    | 350                         | 0.50                       |
| AFCM2012H-202T02 | 0.85±0.2                   | 2000±25%         | 100                    | 250                         | 0.60                       |
| AFCM2012N-070T06 | 0.85±0.2                   | 7±25%            | 100                    | 600                         | 0.10                       |
| AFCM2012C-300T07 | 0.85±0.2                   | 30±25%           | 100                    | 700                         | 0.20                       |
| AFCM2012C-600T07 | 0.85±0.2                   | 60±25%           | 100                    | 700                         | 0.20                       |
| AFCM2012C-121T06 | 0.85±0.2                   | 120±25%          | 100                    | 600                         | 0.25                       |
| AFCM2012C-151T06 | 0.85±0.2                   | 150±25%          | 100                    | 600                         | 0.25                       |
| AFCM2012C-221T04 | 0.85±0.2                   | 220±25%          | 100                    | 400                         | 0.30                       |
| AFCM2012C-301T04 | 0.85±0.2                   | 300±25%          | 100                    | 400                         | 0.35                       |
| AFCM2012C-471T04 | 1.25±0.2                   | 470±25%          | 100                    | 400                         | 0.40                       |
| AFCM2012C-601T03 | 1.25±0.2                   | 600±25%          | 100                    | 300                         | 0.45                       |
| AFCM2012C-102T02 | 1.25±0.2                   | 1000±25%         | 100                    | 200                         | 0.50                       |

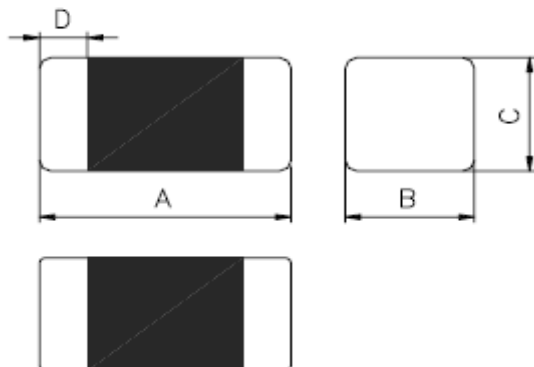


# Amode Tech. Ltd.

## AFCM3216 SERIES

### Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

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

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance ( $\Omega$ ) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance ( $\Omega$ )Max |
|------------------|------------------------|------------------|-----------------------|-------------------------------|
| AFCM3216K-260T05 | 26±25%                 | 100              | 500                   | 0.20                          |
| AFCM3216K-310T05 | 31±25%                 | 100              | 500                   | 0.20                          |
| AFCM3216K-420T05 | 42±25%                 | 100              | 500                   | 0.20                          |
| AFCM3216K-500T05 | 50±25%                 | 100              | 500                   | 0.20                          |
| AFCM3216K-700T05 | 70±25%                 | 100              | 500                   | 0.20                          |
| AFCM3216K-900T05 | 90±25%                 | 100              | 500                   | 0.20                          |
| AFCM3216K-121T09 | 120±25%                | 100              | 900                   | 0.15                          |
| AFCM3216K-151T09 | 150±25%                | 100              | 900                   | 0.15                          |
| AFCM3216K-201T06 | 200±25%                | 100              | 600                   | 0.35                          |
| AFCM3216K-221T07 | 220±25%                | 100              | 700                   | 0.35                          |
| AFCM3216K-301T07 | 300±25%                | 100              | 700                   | 0.35                          |
| AFCM3216K-471T04 | 470±25%                | 100              | 400                   | 0.35                          |
| AFCM3216K-601T04 | 600±25%                | 100              | 400                   | 0.40                          |

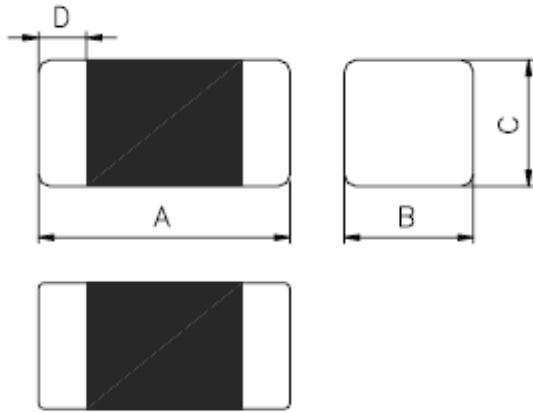


# Amode Tech. Ltd.

## AHCB1005 SERIES

### High Current Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

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

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AHCB1005M-100T25 | 10±25%        | 100              | 2500                  | 0.050                |
| AHCB1005K-121T20 | 120±25%       | 100              | 2000                  | 0.095                |
| AHCB1005K-221T10 | 220±25%       | 100              | 1000                  | 0.200                |
| AHCB1005K-221T15 | 220±25%       | 100              | 1500                  | 0.150                |
| AHCB1005P-330T30 | 33±25%        | 100              | 3000                  | 0.022                |
| AHCB1005P-600T25 | 60±25%        | 100              | 2500                  | 0.032                |
| AHCB1005P-800T23 | 80±25%        | 100              | 2300                  | 0.038                |
| AHCB1005P-121T20 | 120±25%       | 100              | 2000                  | 0.055                |

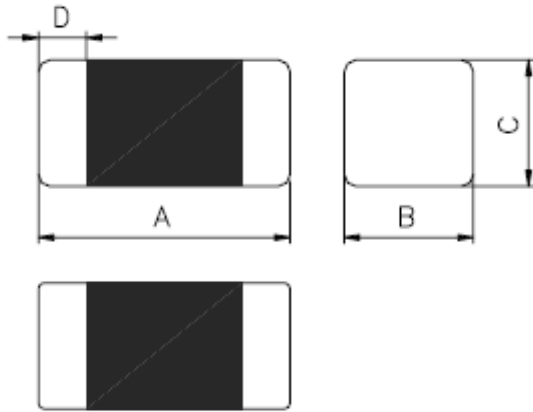


# Amode Tech. Ltd.

## AHCB1608 SERIES

### High Current Ferrite Chip Beads

#### 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              | ± 0.20 |

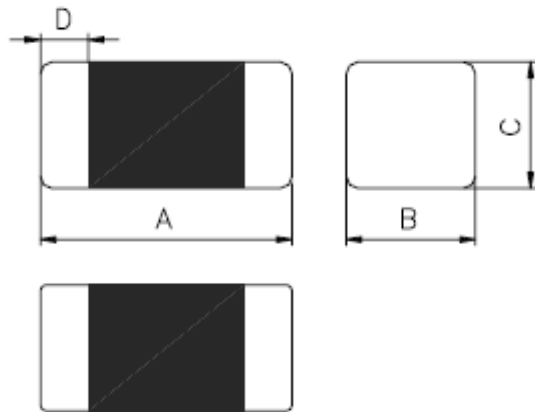
#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max | Height (mm) Max |
|------------------|---------------|------------------|-----------------------|----------------------|-----------------|
| AHCB1606Z-260T60 | 26±25%        | 100              | 6000                  | 0.01                 | 0.75            |
| AHCB1608K-300T30 | 30±25%        | 100              | 3000                  | 0.04                 | 0.95            |
| AHCB1608K-800T30 | 80±25%        | 100              | 3000                  | 0.04                 | 0.95            |
| AHCB1608K-121T20 | 120±25%       | 100              | 2000                  | 0.10                 | 0.95            |
| AHCB1608K-121T30 | 120±25%       | 100              | 3000                  | 0.04                 | 0.95            |
| AHCB1608K-150T20 | 150±25%       | 100              | 2000                  | 0.10                 | 0.95            |
| AHCB1608K-221T20 | 220±25%       | 100              | 2000                  | 0.10                 | 0.95            |
| AHCB1608K-301T10 | 300±25%       | 100              | 1000                  | 0.20                 | 0.95            |
| AHCB1608K-471T10 | 470±25%       | 100              | 1000                  | 0.20                 | 0.95            |
| AHCB1608K-601T10 | 600±25%       | 100              | 1000                  | 0.20                 | 0.95            |

### High Current Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

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

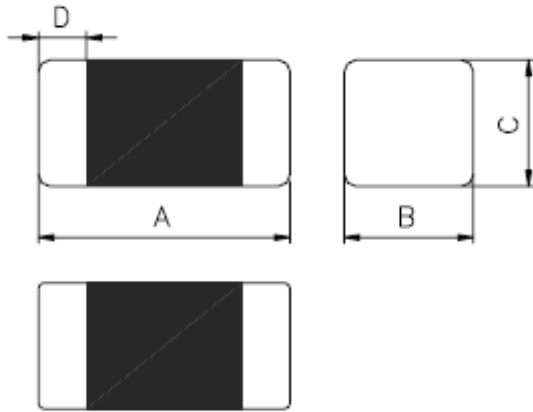
#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AHCB2012K-300T30 | 30±25%        | 100              | 3000                  | 0.04                 |
| AHCB2012K-800T30 | 80±25%        | 100              | 3000                  | 0.04                 |
| AHCB2012K-121T20 | 120±25%       | 100              | 2000                  | 0.10                 |
| AHCB2012K-151T20 | 150±25%       | 100              | 2000                  | 0.10                 |
| AHCB2012K-221T20 | 220±25%       | 100              | 2000                  | 0.10                 |
| AHCB2012K-301T10 | 300±25%       | 100              | 1000                  | 0.20                 |
| AHCB2012K-471T10 | 470±25%       | 100              | 1000                  | 0.20                 |
| AHCB2012K-601T10 | 600±25%       | 100              | 1000                  | 0.20                 |

### High Current Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 3.20 | ± 0.30 |
| B | 1.60 | ± 0.30 |
| C | 1.10 | ± 0.30 |
| D | 0.50 | ± 0.30 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AHCB3216K-300T30 | 30±25%        | 100              | 3000                  | 0.04                 |
| AHCB3216K-500T30 | 50±25%        | 100              | 3000                  | 0.04                 |
| AHCB3216K-800T30 | 80±25%        | 100              | 3000                  | 0.04                 |
| AHCB3216K-121T20 | 120±25%       | 100              | 2000                  | 0.10                 |
| AHCB3216K-151T20 | 150±25%       | 100              | 2000                  | 0.10                 |
| AHCB3216K-301T10 | 300±25%       | 100              | 1000                  | 0.20                 |
| AHCB3216K-471T10 | 470±25%       | 100              | 1000                  | 0.20                 |
| AHCB3216K-501T30 | 500±25%       | 100              | 3000                  | 0.04                 |
| AHCB3216K-601T20 | 600±25%       | 100              | 2000                  | 0.10                 |

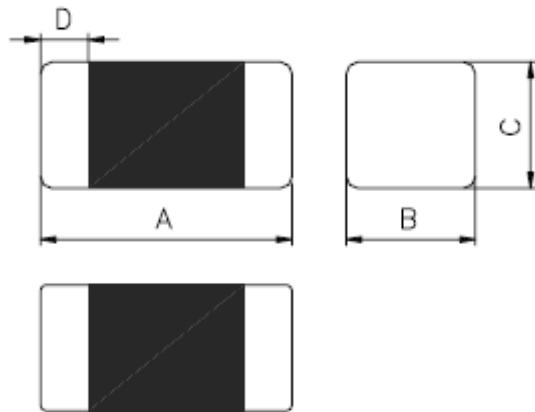


# Amode Tech. Ltd.

## AHCB4516 SERIES

### High Current Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 4.50 | ± 0.30 |
| B | 1.60 | ± 0.30 |
| C | 1.60 | ± 0.30 |
| D | 0.50 | ± 0.30 |

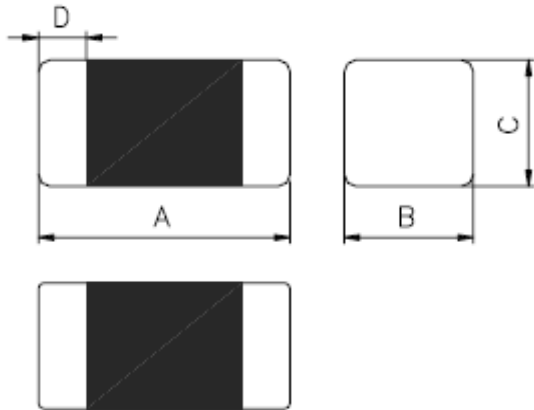
#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AHCB4516K-600T60 | 60±25%        | 100              | 6000                  | 0.01                 |
| AHCB4516K-800T30 | 80±25%        | 100              | 3000                  | 0.04                 |

### High Current Ferrite Chip Beads

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 4.50 | ± 0.30 |
| B | 3.20 | ± 0.30 |
| C | 1.50 | ± 0.30 |
| D | 0.50 | ± 0.30 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AHCB4532K-800T60 | 80±25%        | 100              | 6000                  | 0.01                 |
| AHCB4532K-121T50 | 120±25%       | 100              | 5000                  | 0.02                 |
| AHCB4532K-131T30 | 130±25%       | 100              | 3000                  | 0.04                 |
| AHCB4532K-151T50 | 150±25%       | 100              | 5000                  | 0.02                 |
| AHCB4532M-681T40 | 680±25%       | 100              | 4000                  | 0.03                 |
| AHCB4532M-132T30 | 1300±25%      | 100              | 3000                  | 0.06                 |

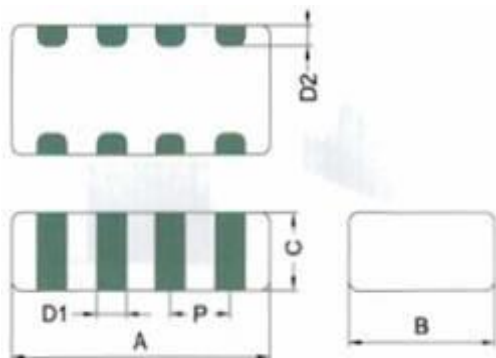


# Amode Tech. Ltd.

## AFCA3216 SERIES

### Ferrite Chip Bead Array

#### 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  |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max |
|------------------|---------------|------------------|-----------------------|----------------------|
| AFCA3216K-300T05 | 30±25%        | 100              | 500                   | 0.20                 |
| AFCA3216K-600T04 | 60±25%        | 100              | 400                   | 0.25                 |
| AFCA3216K-121T03 | 120±25%       | 100              | 350                   | 0.30                 |
| AFCA3216K-301T02 | 300±25%       | 100              | 250                   | 0.40                 |
| AFCA3216K-601T02 | 600±25%       | 100              | 200                   | 0.50                 |
| AFCA3216K-102T01 | 1000±25%      | 100              | 150                   | 0.75                 |
| AFCA3216M-300T04 | 30±25%        | 100              | 400                   | 0.25                 |
| AFCA3216M-600T03 | 60±25%        | 100              | 300                   | 0.30                 |
| AFCA3216M-121T02 | 120±25%       | 100              | 250                   | 0.40                 |
| AFCA3216M-301T02 | 300±25%       | 100              | 200                   | 0.50                 |

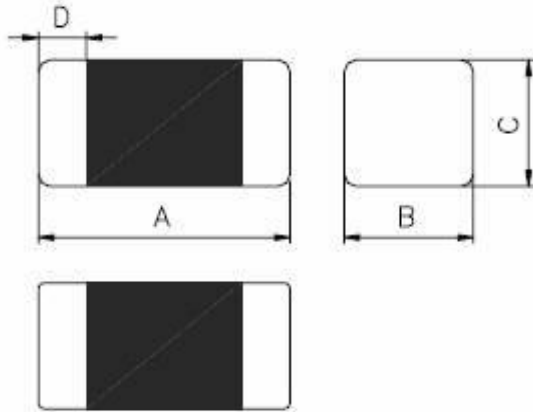


# Amode Tech. Ltd.

## AFCI1005 SERIES

### Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

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

#### ELECTRICAL CHARACTERISTICS:



| Parts Number    | Inductance (uH) | Test Freq. (Hz) | Q Min | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max | SRF (MHz) Min |
|-----------------|-----------------|-----------------|-------|------------------|-----------------------|----------------------|---------------|
| AFCI1005F-R22KT | 0.22±10%        | 60mV/25M        | 10    | 25               | 25                    | 1.20                 | 110           |
| AFCI1005F-1R0KT | 1.0±10%         | 60mV/10M        | 20    | 10               | 15                    | 0.90                 | 40            |
| AFCI1005F-1R8KT | 1.8±10%         | 60mV/10M        | 20    | 10               | 15                    | 1.45                 | 30            |
| AFCI1005F-2R2KT | 2.2±10%         | 60mV/10M        | 20    | 10               | 10                    | 1.70                 | 28            |

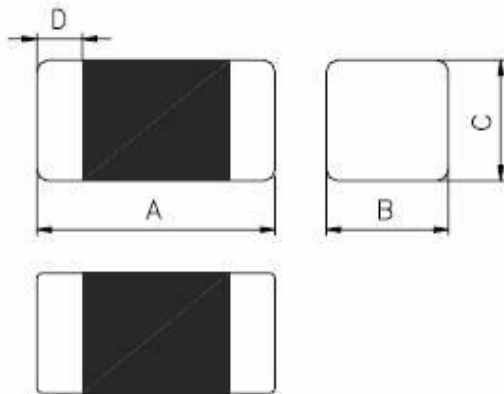


# Amode Tech. Ltd.

## AFCI1608 SERIES

### Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

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

#### ELECTRICAL CHARACTERISTICS:



| Parts Number    | Thickness<br>A<br>Size(mm) | Inductance<br>(uH) | Test Freq.<br>(Hz) | Q<br>Min | Test Freq.<br>(MHz) | Rated<br>Current<br>(mA)Max | DC<br>Resistance<br>(Ω)Max | SRF<br>(MHz)<br>Min |
|-----------------|----------------------------|--------------------|--------------------|----------|---------------------|-----------------------------|----------------------------|---------------------|
| AFCI1608F-47N□T | 1.6±0.15                   | 0.047              | 60mV/50M           | 10       | 50                  | 50                          | 0.30                       | 260                 |
| AFCI1608F-68N□T | 1.6±0.15                   | 0.068              | 60mV/50M           | 10       | 50                  | 50                          | 0.30                       | 250                 |
| AFCI1608F-82N□T | 1.6±0.15                   | 0.082              | 60mV/50M           | 10       | 50                  | 50                          | 0.30                       | 245                 |
| AFCI1608F-R10□T | 1.6±0.15                   | 0.1                | 60mV/25M           | 15       | 25                  | 50                          | 0.50                       | 240                 |
| AFCI1608F-R12□T | 1.6±0.15                   | 0.12               | 60mV/25M           | 15       | 25                  | 50                          | 0.50                       | 205                 |
| AFCI1608F-R15□T | 1.6±0.15                   | 0.15               | 60mV/25M           | 15       | 25                  | 50                          | 0.60                       | 180                 |
| AFCI1608F-R18□T | 1.6±0.15                   | 0.18               | 60mV/25M           | 15       | 25                  | 50                          | 0.60                       | 165                 |
| AFCI1608F-R22□T | 1.6±0.15                   | 0.22               | 60mV/25M           | 15       | 25                  | 50                          | 0.80                       | 150                 |
| AFCI1608F-R27□T | 1.6±0.15                   | 0.27               | 60mV/25M           | 15       | 25                  | 50                          | 0.80                       | 136                 |
| AFCI1608F-R33□T | 1.6±0.15                   | 0.33               | 60mV/25M           | 15       | 25                  | 35                          | 0.85                       | 125                 |
| AFCI1608F-R39□T | 1.6±0.15                   | 0.39               | 60mV/25M           | 15       | 25                  | 35                          | 1.00                       | 110                 |
| AFCI1608F-R47□T | 1.6±0.15                   | 0.47               | 60mV/25M           | 15       | 25                  | 35                          | 1.35                       | 105                 |
| AFCI1608F-R56□T | 1.6±0.15                   | 0.56               | 60mV/25M           | 15       | 25                  | 35                          | 1.55                       | 95                  |
| AFCI1608F-R68□T | 1.6±0.15                   | 0.68               | 60mV/25M           | 15       | 25                  | 35                          | 1.70                       | 80                  |
| AFCI1608F-R82□T | 1.6±0.15                   | 0.82               | 60mV/25M           | 15       | 25                  | 35                          | 2.10                       | 75                  |
| AFCI1608F-1R0□T | 1.6±0.15                   | 1                  | 60mV/10M           | 30       | 10                  | 25                          | 0.60                       | 70                  |
| AFCI1608F-1R5□T | 1.6±0.15                   | 1.5                | 60mV/10M           | 30       | 10                  | 25                          | 0.80                       | 55                  |
| AFCI1608F-1R8□T | 1.6±0.15                   | 1.8                | 60mV/10M           | 30       | 10                  | 25                          | 0.95                       | 50                  |
| AFCI1608F-2R2□T | 1.6±0.15                   | 2.2                | 60mV/10M           | 30       | 10                  | 15                          | 1.15                       | 45                  |
| AFCI1608F-3R3□T | 1.6±0.15                   | 3.3                | 60mV/10M           | 30       | 10                  | 15                          | 1.55                       | 38                  |
| AFCI1608F-4R7□T | 1.6±0.15                   | 4.7                | 60mV/10M           | 30       | 10                  | 15                          | 2.10                       | 33                  |
| AFCI1608F-100□T | 1.6±0.15                   | 10                 | 60mV/2M            | 30       | 2                   | 15                          | 2.00                       | 17                  |

□:K=±10%,L=±15%,M=±20%

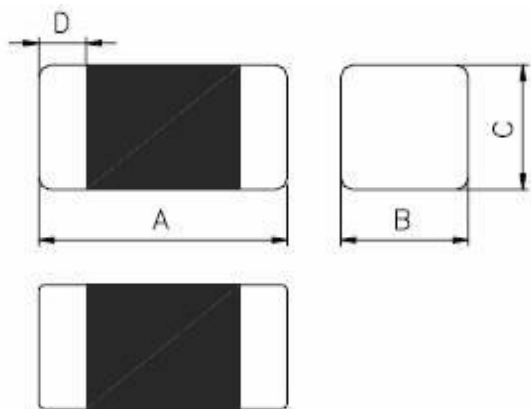


# Amode Tech. Ltd.

## AFCI2012 SERIES

### Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |                   |        |
|---|-------------------|--------|
| A | 2.00              | ± 0.30 |
| B | 1.20              | ± 0.30 |
| C | 0.85±0.3/1.25±0.3 |        |
| D | 0.50              | ± 0.30 |

#### ELECTRICAL CHARACTERISTICS:

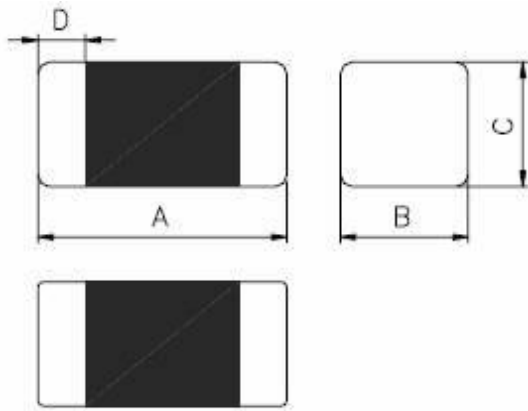


| Parts Number    | Thickness A Size(mm) | Inductance (uH) | Test Freq. (Hz) | Q Min | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max | SRF (MHz) Min |
|-----------------|----------------------|-----------------|-----------------|-------|------------------|-----------------------|----------------------|---------------|
| AFCI2012F-47N□T | 0.85±0.2             | 0.047           | 60mV/50M        | 15    | 50               | 300                   | 0.20                 | 320           |
| AFCI2012F-68N□T | 0.85±0.2             | 0.068           | 60mV/50M        | 15    | 50               | 300                   | 0.20                 | 280           |
| AFCI2012F-82N□T | 0.85±0.2             | 0.082           | 60mV/50M        | 15    | 50               | 300                   | 0.20                 | 255           |
| AFCI2012F-R10□T | 0.85±0.2             | 0.1             | 60mV/25M        | 20    | 25               | 250                   | 0.30                 | 235           |
| AFCI2012F-R12□T | 0.85±0.2             | 0.12            | 60mV/25M        | 20    | 25               | 250                   | 0.30                 | 220           |
| AFCI2012F-R15□T | 0.85±0.2             | 0.15            | 60mV/25M        | 20    | 25               | 250                   | 0.40                 | 200           |
| AFCI2012F-R18□T | 0.85±0.2             | 0.18            | 60mV/25M        | 20    | 25               | 250                   | 0.40                 | 185           |
| AFCI2012F-R22□T | 0.85±0.2             | 0.22            | 60mV/25M        | 20    | 25               | 250                   | 0.50                 | 170           |
| AFCI2012F-R27□T | 0.85±0.2             | 0.27            | 60mV/25M        | 20    | 25               | 250                   | 0.50                 | 150           |
| AFCI2012F-R33□T | 0.85±0.2             | 0.33            | 60mV/25M        | 20    | 25               | 250                   | 0.55                 | 145           |
| AFCI2012F-R39□T | 0.85±0.2             | 0.39            | 60mV/25M        | 25    | 25               | 200                   | 0.65                 | 135           |
| AFCI2012F-R47□T | 1.25±0.2             | 0.47            | 60mV/25M        | 25    | 25               | 200                   | 0.65                 | 125           |
| AFCI2012F-R56□T | 1.25±0.2             | 0.56            | 60mV/25M        | 25    | 25               | 150                   | 0.75                 | 115           |
| AFCI2012F-R68□T | 1.25±0.2             | 0.68            | 60mV/25M        | 25    | 25               | 150                   | 0.80                 | 105           |
| AFCI2012F-1R0□T | 0.85±0.2             | 1               | 60mV/10M        | 45    | 10               | 50                    | 0.40                 | 75            |
| AFCI2012F-1R5□T | 0.85±0.2             | 1.5             | 60mV/10M        | 45    | 10               | 50                    | 0.50                 | 60            |
| AFCI2012F-1R8□T | 0.85±0.2             | 1.8             | 60mV/10M        | 45    | 10               | 50                    | 0.60                 | 55            |
| AFCI2012F-2R2□T | 0.85±0.2             | 2.2             | 60mV/10M        | 45    | 10               | 30                    | 0.65                 | 50            |
| AFCI2012F-2R7□T | 1.25±0.2             | 2.7             | 60mV/10M        | 45    | 10               | 30                    | 0.75                 | 45            |
| AFCI2012F-3R3□T | 1.25±0.2             | 3.3             | 60mV/10M        | 45    | 10               | 30                    | 0.80                 | 41            |
| AFCI2012F-4R7□T | 1.25±0.2             | 4.7             | 60mV/10M        | 45    | 10               | 30                    | 1.00                 | 35            |
| AFCI2012F-100□T | 1.25±0.2             | 10              | 60mV/2M         | 45    | 2                | 15                    | 1.15                 | 24            |

□:K=±10%,L=±15%,M=±20%

### Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 3.20 | ± 0.30 |
| B | 1.60 | ± 0.30 |
| C | 1.10 | ± 0.40 |
| D | 0.50 | ± 0.30 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance(uH) | Test Freq. (Hz) | Q Min | Test Freq. (MHz) | Rated Current (mA)Max | DC Resistance (Ω)Max | SRF (MHz) Min |
|-----------------|----------------|-----------------|-------|------------------|-----------------------|----------------------|---------------|
| AFCI3216F-47N□T | 0.047          | 60mV/50M        | 20    | 50               | 300                   | 0.15                 | 320           |
| AFCI3216F-68N□T | 0.068          | 60mV/50M        | 20    | 50               | 300                   | 0.25                 | 280           |
| AFCI3216F-R10□T | 0.1            | 60mV/25M        | 20    | 25               | 250                   | 0.25                 | 235           |
| AFCI3216F-R12□T | 0.12           | 60mV/25M        | 20    | 25               | 250                   | 0.30                 | 220           |
| AFCI3216F-R15□T | 0.15           | 60mV/25M        | 20    | 25               | 250                   | 0.30                 | 200           |
| AFCI3216F-R18□T | 0.18           | 60mV/25M        | 20    | 25               | 250                   | 0.40                 | 185           |
| AFCI3216F-R22□T | 0.22           | 60mV/25M        | 20    | 25               | 250                   | 0.40                 | 170           |
| AFCI3216F-R27□T | 0.27           | 60mV/25M        | 20    | 25               | 250                   | 0.50                 | 150           |
| AFCI3216F-R33□T | 0.33           | 60mV/25M        | 20    | 25               | 250                   | 0.50                 | 145           |
| AFCI3216F-R39□T | 0.39           | 60mV/25M        | 25    | 25               | 250                   | 0.60                 | 135           |
| AFCI3216F-R47□T | 0.47           | 60mV/25M        | 25    | 25               | 200                   | 0.60                 | 125           |
| AFCI3216F-R56□T | 0.56           | 60mV/25M        | 25    | 25               | 200                   | 0.70                 | 115           |
| AFCI3216F-R68□T | 0.68           | 60mV/25M        | 25    | 25               | 150                   | 0.80                 | 105           |
| AFCI3216F-R82□T | 0.82           | 60mV/25M        | 25    | 25               | 150                   | 0.90                 | 100           |
| AFCI3216F-1R0□T | 1              | 60mV/10M        | 45    | 10               | 100                   | 0.40                 | 75            |
| AFCI3216F-1R2□T | 1.2            | 60mV/10M        | 45    | 10               | 100                   | 0.50                 | 65            |
| AFCI3216F-1R5□T | 1.5            | 60mV/10M        | 45    | 10               | 50                    | 0.50                 | 60            |
| AFCI3216F-2R2□T | 2.2            | 60mV/10M        | 45    | 10               | 50                    | 0.60                 | 50            |
| AFCI3216F-3R3□T | 3.3            | 60mV/10M        | 45    | 10               | 50                    | 0.70                 | 41            |
| AFCI3216F-4R7□T | 4.7            | 60mV/10M        | 45    | 10               | 50                    | 0.90                 | 35            |
| AFCI3216F-100□T | 10             | 60mV/2M         | 50    | 2                | 25                    | 1.00                 | 24            |

□:K=±10%,L=±15%,M=±20%

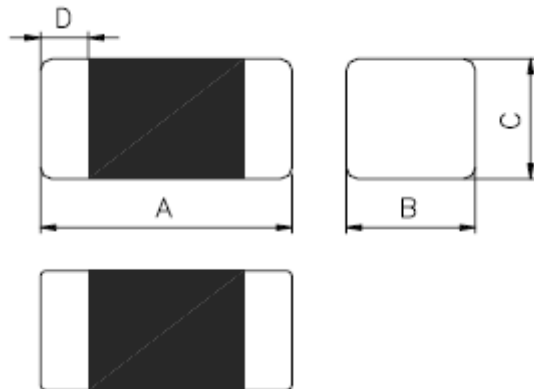


# Amode Tech. Ltd.

## ACPI160809 SERIES

### Multilayer Type Power Inductor

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 1.60 | ± 0.25 |
| B | 0.80 | ± 0.25 |
| C | 0.95 | Max    |
| D | 0.30 | ± 0.2  |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number       | Inductance (uH) | Test Frequency (MHz) | Rated Current (mA)Max | DC Resistance(Ω) |      |
|--------------------|-----------------|----------------------|-----------------------|------------------|------|
|                    |                 |                      |                       | Max              | Typ  |
| ACPI160809UF-R33MT | 0.33±20%        | 1                    | 350                   | 0.35             | 0.27 |
| ACPI160809UF-R50MT | 0.5±20%         | 1                    | 900                   | 0.15             | 0.12 |
| ACPI160809UF-1R0MT | 1.0±20%         | 1                    | 750                   | 0.20             | 0.17 |
| ACPI160809UF-2R2MT | 2.2±20%         | 1                    | 650                   | 0.30             | 0.27 |

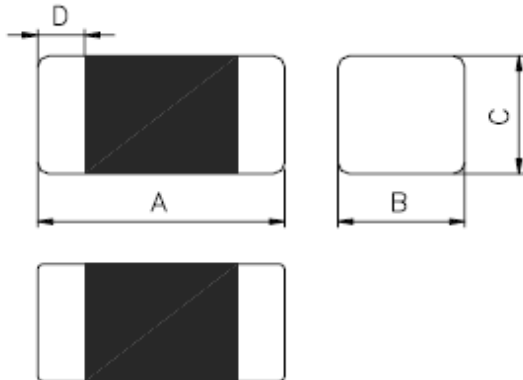


# Amode Tech. Ltd.

## ACPI201610UF SERIES

### Multilayer Type Power Inductor

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |       |
|---|------|-------|
| A | 2.00 | ± 0.3 |
| B | 1.60 | ± 0.3 |
| C | 1.00 | Max   |
| D | 0.50 | ± 0.3 |

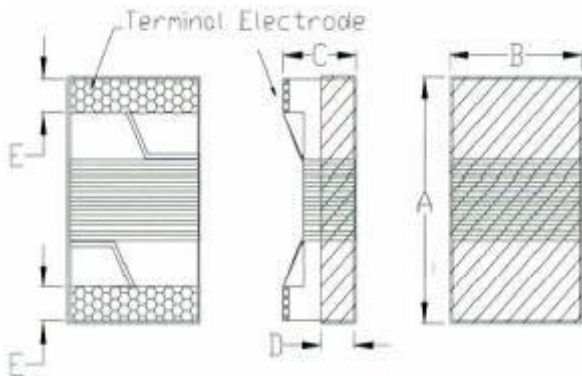


#### ELECTRICAL CHARACTERISTICS:

| Parts Number       | Inductance (uH) | Test Frequency (MHz) | Rated Current (mA)Max | DC Resistance (Ω)±30% |
|--------------------|-----------------|----------------------|-----------------------|-----------------------|
| ACPI201610UF-R47MT | 0.47±20%        | 1                    | 1600                  | 0.075                 |
| ACPI201610UF-1R0MT | 1.0±20%         | 1                    | 1300                  | 0.12                  |
| ACPI201610UF-1R5MT | 1.5±20%         | 1                    | 1200                  | 0.13                  |
| ACPI201610UF-2R2MT | 2.2±20%         | 1                    | 1200                  | 0.14                  |
| ACPI201610UF-3R3MT | 3.3±20%         | 1                    | 1100                  | 0.16                  |
| ACPI201610UF-4R7MT | 4.7±20%         | 1                    | 900                   | 0.20                  |

### Wirewound Ferrite Chip Inductors

#### 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 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (uH) | Test Freq. (Hz) | Test Freq. (MHz) | SRF (MHz) Min | Rated Current (mA)Max | DC Resistance (Ω)Max | Q Min |
|-----------------|-----------------|-----------------|------------------|---------------|-----------------------|----------------------|-------|
| ASWF1608C-47N□T | 0.047           | 0.5V/7.96M      | 7.96             | 1500          | 1400                  | 0.075                | 10    |
| ASWF1608C-R10□T | 0.1             | 0.5V/7.96M      | 7.96             | 1150          | 1400                  | 0.130                | 10    |
| ASWF1608C-R12□T | 0.12            | 0.5V/7.96M      | 7.96             | 1100          | 1400                  | 0.150                | 10    |
| ASWF1608C-R15□T | 0.15            | 0.5V/7.96M      | 7.96             | 1050          | 1300                  | 0.150                | 10    |
| ASWF1608C-R18□T | 0.18            | 0.5V/7.96M      | 7.96             | 950           | 1300                  | 0.150                | 10    |
| ASWF1608C-R22□T | 0.22            | 0.5V/7.96M      | 7.96             | 800           | 950                   | 0.150                | 10    |
| ASWF1608C-R24□T | 0.24            | 0.5V/7.96M      | 7.96             | 800           | 620                   | 0.310                | 10    |
| ASWF1608C-R27□T | 0.27            | 0.5V/7.96M      | 7.96             | 775           | 710                   | 0.200                | 10    |
| ASWF1608C-R33□T | 0.33            | 0.5V/7.96M      | 7.96             | 725           | 620                   | 0.350                | 10    |
| ASWF1608C-R39□T | 0.39            | 0.5V/7.96M      | 7.96             | 620           | 600                   | 0.390                | 10    |
| ASWF1608C-R47□T | 0.47            | 0.5V/7.96M      | 7.96             | 540           | 570                   | 0.430                | 10    |
| ASWF1608C-R56□T | 0.56            | 0.5V/7.96M      | 7.96             | 525           | 550                   | 0.470                | 10    |
| ASWF1608C-R68□T | 0.68            | 0.5V/7.96M      | 7.96             | 460           | 470                   | 0.520                | 10    |
| ASWF1608C-R82□T | 0.82            | 0.5V/7.96M      | 7.96             | 410           | 400                   | 0.690                | 10    |
| ASWF1608C-1R0□T | 1               | 0.5V/7.96M      | 7.96             | 190           | 400                   | 0.810                | 10    |
| ASWF1608C-1R2□T | 1.2             | 0.5V/7.96M      | 7.96             | 160           | 370                   | 0.870                | 10    |
| ASWF1608C-1R5□T | 1.5             | 0.5V/7.96M      | 7.96             | 100           | 350                   | 0.960                | 10    |



# Amode Tech. Ltd.

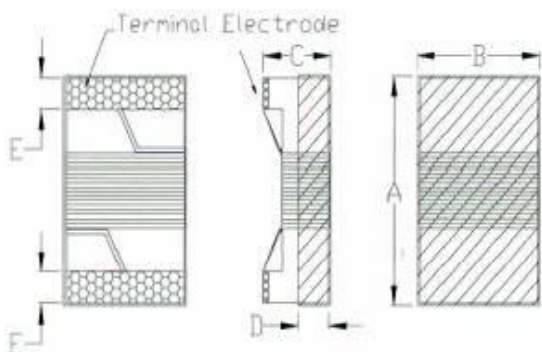
## ASWF1608 SERIES

|                 |     |            |      |    |     |       |    |
|-----------------|-----|------------|------|----|-----|-------|----|
| ASWF1608C-2R2□T | 2.2 | 0.5V/7.96M | 7.96 | 68 | 320 | 1.200 | 10 |
| ASWF1608C-3R3□T | 3.3 | 0.5V/7.96M | 7.96 | 42 | 280 | 1.500 | 10 |
| ASWF1608C-4R7□T | 4.7 | 0.5V/7.96M | 7.96 | 34 | 260 | 2.100 | 10 |
| ASWF1608C-5R6□T | 5.6 | 0.5V/7.96M | 7.96 | 32 | 240 | 2.600 | 10 |
| ASWF1608C-6R8□T | 6.8 | 0.5V/7.96M | 7.96 | 31 | 200 | 3.100 | 10 |
| ASWF1608C-8R2□T | 8.2 | 0.5V/7.96M | 7.96 | 26 | 190 | 4.400 | 10 |
| ASWF1608C-100□T | 10  | 0.5V/2.52M | 2.52 | 25 | 180 | 4.800 | 10 |

□:K=±10%,M=±20%

### Wirewound Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 2.50 | Max    |
| B | 1.70 | Max    |
| C | 1.40 | Max    |
| D | 0.51 | Ref    |
| E | 0.44 | ± 0.10 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (uH) | Test Freq. (Hz) | Test Freq. (MHz) | SRF (MHz) Min | Rated Current (mA)Max | DC Resistance (Ω)Max | Q Min |
|-----------------|-----------------|-----------------|------------------|---------------|-----------------------|----------------------|-------|
| ASWF2012C-R47□T | 0.47            | 0.5V/7.96M      | 7.96             | 720           | 750                   | 0.20                 | 10    |
| ASWF2012C-R56□T | 0.56            | 0.5V/7.96M      | 7.96             | 665           | 730                   | 0.21                 | 10    |
| ASWF2012C-R68□T | 0.68            | 0.5V/7.96M      | 7.96             | 565           | 670                   | 0.28                 | 10    |
| ASWF2012C-R82□T | 0.82            | 0.5V/7.96M      | 7.96             | 545           | 650                   | 0.31                 | 10    |
| ASWF2012C-1R0□T | 1               | 0.5V/7.96M      | 7.96             | 525           | 615                   | 0.34                 | 10    |
| ASWF2012C-1R2□T | 1.2             | 0.5V/7.96M      | 7.96             | 473           | 550                   | 0.39                 | 10    |
| ASWF2012C-1R5□T | 1.5             | 0.5V/7.96M      | 7.96             | 300           | 520                   | 0.45                 | 10    |
| ASWF2012C-1R8□T | 1.8             | 0.5V/7.96M      | 7.96             | 230           | 500                   | 0.48                 | 10    |
| ASWF2012C-2R2□T | 2.2             | 0.5V/7.96M      | 7.96             | 215           | 420                   | 0.67                 | 10    |
| ASWF2012C-2R7□T | 2.7             | 0.5V/7.96M      | 7.96             | 140           | 410                   | 0.74                 | 10    |
| ASWF2012C-3R3□T | 3.3             | 0.5V/7.96M      | 7.96             | 95            | 385                   | 0.81                 | 10    |
| ASWF2012C-3R9□T | 3.9             | 0.5V/7.96M      | 7.96             | 57            | 372                   | 0.88                 | 10    |
| ASWF2012C-4R7□T | 4.7             | 0.5V/7.96M      | 7.96             | 51            | 345                   | 0.99                 | 10    |
| ASWF2012C-5R6□T | 5.6             | 0.5V/7.96M      | 7.96             | 44            | 335                   | 1.06                 | 10    |
| ASWF2012C-6R8□T | 6.8             | 0.5V/7.96M      | 7.96             | 39            | 315                   | 1.21                 | 10    |
| ASWF2012C-8R2□T | 8.2             | 0.5V/7.96M      | 7.96             | 33            | 295                   | 1.33                 | 10    |
| ASWF2012C-100□T | 10              | 0.5V/2.52M      | 2.52             | 30            | 260                   | 1.79                 | 10    |
| ASWF2012C-120□T | 12              | 0.5V/2.52M      | 2.52             | 27            | 250                   | 1.98                 | 10    |
| ASWF2012C-150□T | 15              | 0.5V/2.52M      | 2.52             | 22            | 215                   | 2.68                 | 10    |
| ASWF2012C-180□T | 18              | 0.5V/2.52M      | 2.52             | 20            | 195                   | 3.12                 | 10    |
| ASWF2012C-220□T | 22              | 0.5V/2.52M      | 2.52             | 18            | 180                   | 3.48                 | 10    |
| ASWF2012C-270□T | 27              | 0.5V/2.52M      | 2.52             | 16            | 170                   | 3.84                 | 10    |
| ASWF2012C-330□T | 33              | 0.5V/2.52M      | 2.52             | 15            | 145                   | 4.34                 | 10    |

□:K=±10%,M=±20%

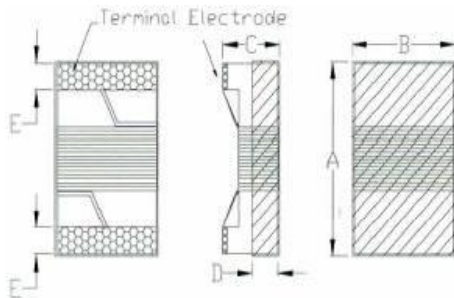


# Amode Tech. Ltd.

## ASWF2520 SERIES

### Wirewound Ferrite Chip Inductors

#### 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 |



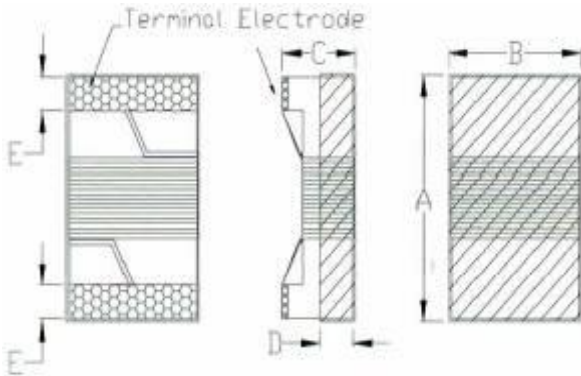
#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (uH) | Test Freq. (Hz) | Test Freq. (MHz) | SRF (MHz) Min | Rated Current (mA)Max | DC Resistance (Ω)Max | Q Min |
|-----------------|-----------------|-----------------|------------------|---------------|-----------------------|----------------------|-------|
| ASWF2520C-1R0□T | 1               | 0.5V/7.96M      | 7.96             | 345           | 1000                  | 0.13                 | 12    |
| ASWF2520C-1R5□T | 1.5             | 0.5V/7.96M      | 7.96             | 100           | 850                   | 0.17                 | 12    |
| ASWF2520C-2R2□T | 2.2             | 0.5V/7.96M      | 7.96             | 78            | 775                   | 0.21                 | 12    |
| ASWF2520C-3R3□T | 3.3             | 0.5V/7.96M      | 7.96             | 48            | 715                   | 0.26                 | 12    |
| ASWF2520C-4R7□T | 4.7             | 0.5V/7.96M      | 7.96             | 46            | 505                   | 0.52                 | 12    |
| ASWF2520C-6R8□T | 6.8             | 0.5V/7.96M      | 7.96             | 33            | 432                   | 0.72                 | 12    |
| ASWF2520C-8R2□T | 8.2             | 0.5V/2.52M      | 2.52             | 30            | 410                   | 0.76                 | 12    |
| ASWF2520C-100□T | 10              | 0.5V/2.52M      | 2.52             | 28            | 392                   | 0.86                 | 12    |
| ASWF2520C-150□T | 15              | 0.5V/2.52M      | 2.52             | 21            | 342                   | 1.09                 | 12    |
| ASWF2520C-220□T | 22              | 0.5V/2.52M      | 2.52             | 18            | 260                   | 1.96                 | 12    |
| ASWF2520C-330□T | 33              | 0.5V/2.52M      | 2.52             | 15            | 236                   | 2.47                 | 12    |

□:K=±10%,M=±20%

### Wirewound Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 3.70 | Max    |
| B | 2.90 | Max    |
| C | 2.60 | Max    |
| D | 0.80 | Ref    |
| E | 0.55 | ± 0.10 |



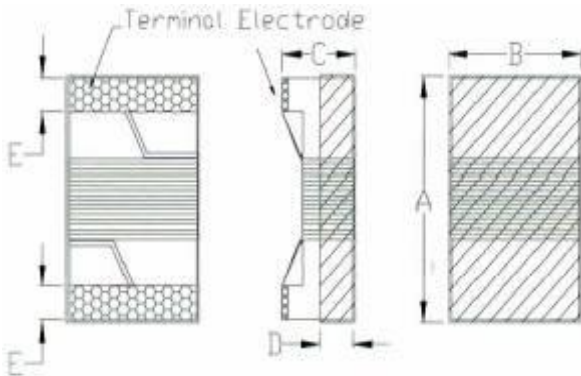
#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (uH) | Test Freq. (Hz) | Test Freq. (MHz) | SRF (MHz) Min | Rated Current (mA)Max | DC Resistance (Ω)Max | Q Min |
|-----------------|-----------------|-----------------|------------------|---------------|-----------------------|----------------------|-------|
| ASWF3225C-1R0□T | 1               | 0.5V/7.96M      | 7.96             | 290           | 1200                  | 0.12                 | 10    |
| ASWF3225C-1R5□T | 1.5             | 0.5V/7.96M      | 7.96             | 260           | 1000                  | 0.13                 | 10    |
| ASWF3225C-2R2□T | 2.2             | 0.5V/7.96M      | 7.96             | 190           | 880                   | 0.17                 | 10    |
| ASWF3225C-3R3□T | 3.3             | 0.5V/7.96M      | 7.96             | 64            | 775                   | 0.22                 | 10    |
| ASWF3225C-4R7□T | 4.7             | 0.5V/7.96M      | 7.96             | 54            | 710                   | 0.26                 | 10    |
| ASWF3225C-6R8□T | 6.8             | 0.5V/7.96M      | 7.96             | 34            | 660                   | 0.30                 | 10    |
| ASWF3225C-100□T | 10              | 0.5V/2.52M      | 2.52             | 25            | 570                   | 0.39                 | 10    |
| ASWF3225C-150□T | 15              | 0.5V/2.52M      | 2.52             | 17            | 440                   | 0.66                 | 10    |
| ASWF3225C-220□T | 22              | 0.5V/2.52M      | 2.52             | 16            | 400                   | 0.82                 | 10    |
| ASWF3225C-330□T | 33              | 0.5V/2.52M      | 2.52             | 12            | 285                   | 1.50                 | 10    |
| ASWF3225C-390□T | 39              | 0.5V/2.52M      | 2.52             | 12            | 270                   | 1.66                 | 10    |
| ASWF3225C-470□T | 47              | 0.5V/2.52M      | 2.52             | 10            | 260                   | 1.90                 | 10    |
| ASWF3225C-680□T | 68              | 0.5V/2.52M      | 2.52             | 9             | 235                   | 2.29                 | 10    |
| ASWF3225C-101□T | 100             | 0.5V/1M         | 1                | 7             | 190                   | 3.48                 | 10    |
| ASWF3225C-151□T | 150             | 0.5V/1M         | 1                | 5             | 140                   | 6.55                 | 10    |
| ASWF3225C-221□T | 220             | 0.5V/1M         | 1                | 4             | 115                   | 8.23                 | 10    |
| ASWF3225C-331□T | 330             | 0.5V/1M         | 1                | 2.8           | 98                    | 13.70                | 10    |
| ASWF3225C-471□T | 470             | 0.5V/1M         | 1                | 2.6           | 86                    | 18.10                | 10    |
| ASWF3225C-681□T | 680             | 0.5V/1M         | 1                | 2.3           | 76                    | 22.00                | 10    |

□:K=± 10%,M=± 20%

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |        |
|---|------|--------|
| A | 1.09 | ± 0.2  |
| B | 0.60 | ± 0.2  |
| C | 0.56 | ± 0.2  |
| D | 0.20 | ± 0.15 |
| E | 0.23 | ± 0.1  |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (nH) | Tolerance | Test Freq. (Hz) | SRF (GHz) Min | Irms (mA) Max | DCR (Ω) Max | Q Min |
|-----------------|-----------------|-----------|-----------------|---------------|---------------|-------------|-------|
| ASWI0402F-1N0□T | 1               | S,J       | 0.1V/250M       | 12.7          | 1360          | 0.045       | 16    |
| ASWI0402F-1N2□T | 1.2             | S,J       | 0.1V/250M       | 10.4          | 640           | 0.140       | 10    |
| ASWI0402F-1N9□T | 1.9             | S,J       | 0.1V/250M       | 11.3          | 1040          | 0.070       | 16    |
| ASWI0402F-2N0□T | 2               | S,J       | 0.1V/250M       | 11.1          | 1040          | 0.070       | 16    |
| ASWI0402F-2N2□T | 2.2             | S,J       | 0.1V/250M       | 10.8          | 960           | 0.070       | 19    |
| ASWI0402F-2N4□T | 2.4             | S,J       | 0.1V/250M       | 10.5          | 790           | 0.068       | 15    |
| ASWI0402F-2N7□T | 2.7             | S,J       | 0.1V/250M       | 10.4          | 640           | 0.120       | 16    |
| ASWI0402F-3N3□T | 3.3             | S,J       | 0.1V/250M       | 7             | 840           | 0.066       | 19    |
| ASWI0402F-3N6□T | 3.6             | S,J       | 0.1V/250M       | 6.8           | 840           | 0.066       | 19    |
| ASWI0402F-3N9□T | 3.9             | S,J       | 0.1V/250M       | 6             | 840           | 0.066       | 19    |
| ASWI0402F-4N3□T | 4.3             | S,J       | 0.1V/250M       | 6             | 700           | 0.091       | 18    |
| ASWI0402F-4N7□T | 4.7             | S,J       | 0.1V/250M       | 4.77          | 640           | 0.130       | 15    |
| ASWI0402F-5N1□T | 5.1             | S,J       | 0.1V/250M       | 4.8           | 800           | 0.083       | 20    |
| ASWI0402F-5N6□T | 5.6             | S,J       | 0.1V/250M       | 4.8           | 760           | 0.083       | 20    |
| ASWI0402F-6N2□T | 6.2             | S,J       | 0.1V/250M       | 4.8           | 760           | 0.083       | 20    |
| ASWI0402F-6N8□T | 6.8             | S,J       | 0.1V/250M       | 4.8           | 680           | 0.083       | 20    |
| ASWI0402F-7N5□T | 7.5             | S,J       | 0.1V/250M       | 4.8           | 680           | 0.100       | 22    |
| ASWI0402F-8N2□T | 8.2             | S,J       | 0.1V/250M       | 4.4           | 680           | 0.100       | 22    |
| ASWI0402F-8N7□T | 8.7             | S,J       | 0.1V/250M       | 4.1           | 480           | 0.200       | 18    |
| ASWI0402F-9N0□T | 9               | S,J       | 0.1V/250M       | 4.16          | 680           | 0.100       | 22    |



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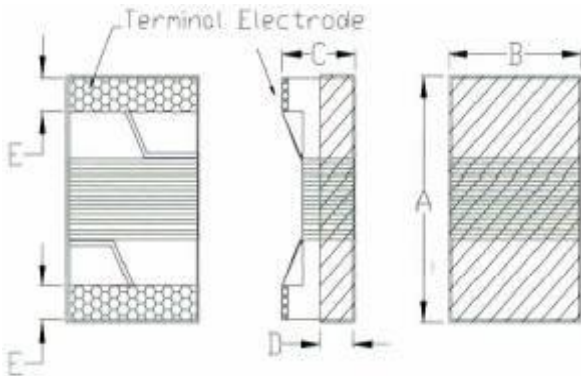
## ASWI0402 SERIES

|                 |     |     |           |      |     |       |    |
|-----------------|-----|-----|-----------|------|-----|-------|----|
| ASWI0402F-9N5□T | 9.5 | S,J | 0.1V/250M | 4    | 480 | 0.200 | 18 |
| ASWI0402F-10N□T | 10  | J,K | 0.1V/250M | 3.9  | 480 | 0.200 | 21 |
| ASWI0402F-11N□T | 11  | J,K | 0.1V/250M | 3.68 | 640 | 0.120 | 24 |
| ASWI0402F-12N□T | 12  | J,K | 0.1V/250M | 3.6  | 640 | 0.120 | 24 |
| ASWI0402F-13N□T | 13  | J,K | 0.1V/250M | 3.45 | 440 | 0.210 | 24 |
| ASWI0402F-15N□T | 15  | J,K | 0.1V/250M | 3.28 | 560 | 0.170 | 24 |
| ASWI0402F-16N□T | 16  | J,K | 0.1V/250M | 3.1  | 560 | 0.220 | 24 |
| ASWI0402F-18N□T | 18  | J,K | 0.1V/250M | 3.1  | 420 | 0.230 | 25 |
| ASWI0402F-19N□T | 19  | J,K | 0.1V/250M | 3.04 | 480 | 0.200 | 24 |
| ASWI0402F-20N□T | 20  | J,K | 0.1V/250M | 3    | 420 | 0.250 | 25 |
| ASWI0402F-22N□T | 22  | J,K | 0.1V/250M | 2.8  | 400 | 0.300 | 25 |
| ASWI0402F-23N□T | 23  | J,K | 0.1V/250M | 2.72 | 400 | 0.300 | 22 |
| ASWI0402F-24N□T | 24  | J,K | 0.1V/250M | 2.7  | 400 | 0.300 | 25 |
| ASWI0402F-27N□T | 27  | J,K | 0.1V/250M | 2.48 | 400 | 0.300 | 24 |
| ASWI0402F-30N□T | 30  | J,K | 0.1V/250M | 2.35 | 400 | 0.350 | 25 |
| ASWI0402F-33N□T | 33  | J,K | 0.1V/250M | 2.35 | 400 | 0.400 | 24 |
| ASWI0402F-36N□T | 36  | J,K | 0.1V/250M | 2.32 | 320 | 0.440 | 24 |
| ASWI0402F-39N□T | 39  | J,K | 0.1V/250M | 2.1  | 200 | 0.550 | 25 |
| ASWI0402F-40N□T | 40  | J,K | 0.1V/250M | 2.24 | 320 | 0.440 | 24 |
| ASWI0402F-43N□T | 43  | J,K | 0.1V/250M | 2.03 | 100 | 0.810 | 25 |
| ASWI0402F-47N□T | 47  | J,K | 0.1V/250M | 2.1  | 150 | 0.830 | 20 |
| ASWI0402F-51N□T | 51  | J,K | 0.1V/250M | 1.75 | 100 | 0.820 | 25 |
| ASWI0402F-56N□T | 56  | J,K | 0.1V/250M | 1.76 | 100 | 0.970 | 22 |
| ASWI0402F-68N□T | 68  | J,K | 0.1V/250M | 1.62 | 100 | 1.120 | 22 |
| ASWI0402F-77N□T | 77  | J,K | 0.1V/250M | 1.26 | 50  | 1.800 | 22 |
| ASWI0402F-72N□T | 72  | J,K | 0.1V/250M | 1.26 | 30  | 2.000 | 20 |
| ASWI0402F-82N□T | 82  | J,K | 0.1V/250M | 1.26 | 50  | 1.550 | 22 |
| ASWI0402F-R10□T | 100 | J,K | 0.1V/250M | 1.16 | 30  | 2.000 | 22 |
| ASWI0402F-R12□T | 120 | J,K | 0.1V/250M | 1.16 | 50  | 2.400 | 22 |

□:S=±0.3nH,J=±5%,K=±10%,

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |       |
|---|------|-------|
| A | 1.90 | Max   |
| B | 1.30 | Max   |
| C | 1.20 | Max   |
| D | 0.38 | Ref   |
| E | 0.35 | ± 0.1 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (nH) | Tolerance | Test Freq. (Hz) | SRF (MHz) Min | Irms (mA) Max | DCR (Ω) Max | Q @ 250MHz Min |
|-----------------|-----------------|-----------|-----------------|---------------|---------------|-------------|----------------|
| ASWI0603F-2N0□T | 2               | C,S       | 0.1V/250M       | 8000          | 700           | 0.07        | 13             |
| ASWI0603F-3N9□T | 3.9             | C,S       | 0.1V/250M       | 6900          | 700           | 0.07        | 22             |
| ASWI0603F-4N7□T | 4.7             | C,J,K     | 0.1V/250M       | 5800          | 700           | 0.12        | 20             |
| ASWI0603F-6N8□T | 6.8             | C,J,K     | 0.1V/250M       | 5800          | 700           | 0.08        | 27             |
| ASWI0603F-8N2□T | 8.2             | C,J,K     | 0.1V/250M       | 4200          | 700           | 0.13        | 30             |
| ASWI0603F-10N□T | 10              | J,K       | 0.1V/250M       | 4800          | 700           | 0.13        | 31             |
| ASWI0603F-12N□T | 12              | J,K       | 0.1V/250M       | 4000          | 700           | 0.13        | 35             |
| ASWI0603F-15N□T | 15              | J,K       | 0.1V/250M       | 4000          | 700           | 0.13        | 35             |
| ASWI0603F-18N□T | 18              | J,K       | 0.1V/250M       | 3100          | 700           | 0.16        | 35             |
| ASWI0603F-22N□T | 22              | J,K       | 0.1V/250M       | 3000          | 700           | 0.23        | 38             |
| ASWI0603F-24N□T | 24              | J,K       | 0.1V/250M       | 2800          | 700           | 0.13        | 38             |
| ASWI0603F-27N□T | 27              | G,J,K     | 0.1V/250M       | 2800          | 600           | 0.14        | 40             |
| ASWI0603F-33N□T | 33              | J,K       | 0.1V/250M       | 2300          | 600           | 0.22        | 40             |
| ASWI0603F-39N□T | 39              | J         | 0.1V/250M       | 2200          | 600           | 0.3         | 40             |
| ASWI0603F-43N□T | 43              | G         | 0.1V/250M       | 2000          | 600           | 0.28        | 38             |
| ASWI0603F-47N□T | 47              | J,K       | 0.1V/200M       | 2000          | 600           | 0.35        | 38             |
| ASWI0603F-56N□T | 56              | J,K       | 0.1V/200M       | 1900          | 600           | 0.37        | 38             |
| ASWI0603F-68N□T | 68              | J,K       | 0.1V/200M       | 1700          | 600           | 0.43        | 37             |
| ASWI0603F-72N□T | 72              | J,K       | 0.1V/150M       | 1700          | 400           | 0.42        | 34             |
| ASWI0603F-82N□T | 82              | J,K       | 0.1V/150M       | 1700          | 400           | 0.71        | 34             |



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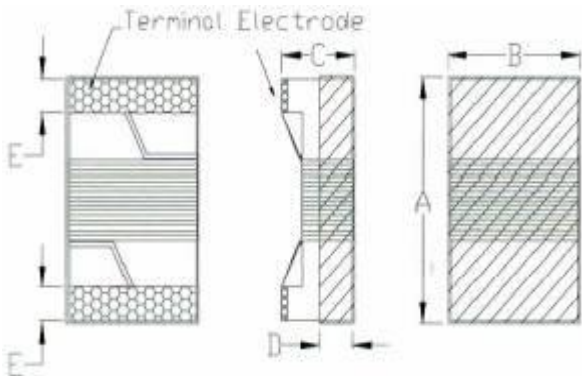
## ASWI0603 SERIES

|                 |     |     |           |      |     |      |    |
|-----------------|-----|-----|-----------|------|-----|------|----|
| ASWI0603F-R10□T | 100 | J,K | 0.1V/150M | 1400 | 400 | 0.78 | 34 |
| ASWI0603F-R12□T | 120 | J,K | 0.1V/150M | 1300 | 300 | 0.84 | 32 |
| ASWI0603F-R15□T | 150 | J,K | 0.1V/150M | 990  | 280 | 0.96 | 28 |
| ASWI0603F-R18□T | 180 | J,K | 0.1V/100M | 990  | 240 | 1.52 | 25 |
| ASWI0603F-R22□T | 220 | J,K | 0.1V/100M | 900  | 200 | 2.02 | 25 |
| ASWI0603F-R27□T | 270 | J,K | 0.1V/100M | 900  | 170 | 2.36 | 24 |
| ASWI0603F-R33□T | 330 | J,K | 0.1V/100M | 700  | 185 | 3.4  | 24 |
| ASWI0603F-R39□T | 390 | J,K | 0.1V/100M | 900  | 100 | 3.6  | 24 |

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

### High Frequency Wirewound Chip Inductors

#### 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 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number     | Inductance (nH) | Tolerance | Test Freq. (Hz) | SRF (MHz) Min | Irms (mA) Max | DCR (Ω) Max | Q @Test Min |
|------------------|-----------------|-----------|-----------------|---------------|---------------|-------------|-------------|
| ASWI0805UF-2N8□T | 2.8             | C,S       | 0.1V/250M       | 7900          | 800           | 0.06        | 80/1500     |
| ASWI0805UF-3N0□T | 3               | C,S       | 0.1V/250M       | 7900          | 800           | 0.06        | 65/1500     |
| ASWI0805UF-3N3□T | 3.3             | C,S       | 0.1V/250M       | 7900          | 600           | 0.08        | 50/1500     |
| ASWI0805UF-5N6□T | 5.6             | C,S       | 0.1V/250M       | 5500          | 600           | 0.08        | 65/1000     |
| ASWI0805UF-6N8□T | 6.8             | C,J       | 0.1V/250M       | 5500          | 600           | 0.11        | 50/1000     |
| ASWI0805UF-7N5□T | 7.5             | C,J       | 0.1V/250M       | 4500          | 600           | 0.14        | 50/1000     |
| ASWI0805UF-8N2□T | 8.2             | C,J       | 0.1V/250M       | 4700          | 600           | 0.12        | 50/1000     |
| ASWI0805UF-10N□T | 10              | G,J       | 0.1V/250M       | 4200          | 600           | 0.10        | 60/500      |
| ASWI0805UF-12N□T | 12              | G,J       | 0.1V/250M       | 4000          | 600           | 0.15        | 50/500      |
| ASWI0805UF-15N□T | 15              | G,J       | 0.1V/250M       | 3400          | 600           | 0.17        | 50/500      |
| ASWI0805UF-18N□T | 18              | G,J       | 0.1V/250M       | 3300          | 600           | 0.20        | 50/500      |
| ASWI0805UF-22N□T | 22              | G,J       | 0.1V/250M       | 2600          | 500           | 0.22        | 55/500      |
| ASWI0805UF-24N□T | 24              | G,J       | 0.1V/250M       | 2000          | 500           | 0.22        | 50/500      |
| ASWI0805UF-27N□T | 27              | G,J       | 0.1V/250M       | 2500          | 500           | 0.25        | 55/500      |
| ASWI0805UF-33N□T | 33              | G,J       | 0.1V/250M       | 2050          | 500           | 0.27        | 60/500      |
| ASWI0805UF-36N□T | 36              | G,J       | 0.1V/250M       | 1700          | 500           | 0.27        | 55/500      |
| ASWI0805UF-39N□T | 39              | G,J       | 0.1V/250M       | 2000          | 500           | 0.29        | 60/500      |
| ASWI0805UF-43N□T | 43              | G,J       | 0.1V/200M       | 1650          | 500           | 0.34        | 60/500      |
| ASWI0805UF-47N□T | 47              | G,J       | 0.1V/200M       | 1650          | 500           | 0.31        | 60/500      |
| ASWI0805UF-56N□T | 56              | G,J       | 0.1V/200M       | 1550          | 500           | 0.34        | 60/500      |
| ASWI0805UF-68N□T | 68              | G,J       | 0.1V/200M       | 1450          | 500           | 0.38        | 60/500      |



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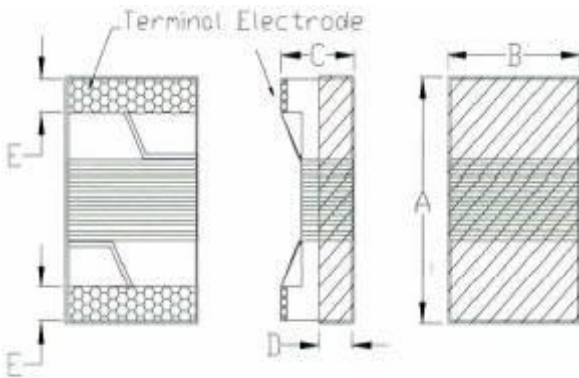
## ASWI0805 SERIES

|                  |      |     |           |      |     |      |        |
|------------------|------|-----|-----------|------|-----|------|--------|
| ASWI0805UF-82N□T | 82   | G,J | 0.1V/150M | 1300 | 400 | 0.42 | 65/500 |
| ASWI0805UF-91N□T | 91   | G,J | 0.1V/150M | 1200 | 400 | 0.48 | 65/500 |
| ASWI0805UF-R10□T | 100  | G,J | 0.1V/150M | 1200 | 400 | 0.46 | 65/500 |
| ASWI0805UF-R11□T | 110  | G,J | 0.1V/150M | 1000 | 400 | 0.48 | 50/250 |
| ASWI0805UF-R12□T | 120  | G,J | 0.1V/150M | 1100 | 400 | 0.51 | 50/250 |
| ASWI0805UF-R15□T | 150  | G,J | 0.1V/100M | 920  | 400 | 0.56 | 50/250 |
| ASWI0805UF-R18□T | 180  | G,J | 0.1V/100M | 870  | 400 | 0.64 | 50/250 |
| ASWI0805UF-R20□T | 200  | G,J | 0.1V/100M | 860  | 400 | 0.68 | 50/250 |
| ASWI0805UF-R22□T | 220  | G,J | 0.1V/100M | 850  | 400 | 0.70 | 50/250 |
| ASWI0805UF-R24□T | 240  | G,J | 0.1V/100M | 690  | 350 | 1.00 | 44/250 |
| ASWI0805UF-R25□T | 250  | G,J | 0.1V/100M | 660  | 350 | 1.20 | 45/250 |
| ASWI0805UF-R27□T | 270  | G,J | 0.1V/100M | 650  | 350 | 1.00 | 48/250 |
| ASWI0805UF-R33□T | 330  | G,J | 0.1V/100M | 600  | 310 | 1.40 | 48/250 |
| ASWI0805UF-R39□T | 390  | G,J | 0.1V/100M | 5600 | 290 | 1.50 | 48/250 |
| ASWI0805UF-R47□T | 470  | G,J | 0.1V/50M  | 375  | 250 | 1.70 | 33/100 |
| ASWI0805UF-R56□T | 560  | G,J | 0.1V/25M  | 340  | 230 | 1.90 | 23/50  |
| ASWI0805UF-R62□T | 620  | G,J | 0.1V/25M  | 220  | 210 | 2.20 | 23/50  |
| ASWI0805UF-R68□T | 680  | G,J | 0.1V/25M  | 188  | 190 | 2.20 | 23/50  |
| ASWI0805UF-R82□T | 820  | G,J | 0.1V/25M  | 215  | 180 | 2.35 | 23/50  |
| ASWI0805UF-1R0□T | 1000 | G,J | 0.1V/25M  | 100  | 170 | 2.50 | 20/50  |
| ASWI0805UF-1R2□T | 1200 | G,J | 0.1V/7.9M | 100  | 170 | 2.50 | 18/25  |

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

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |       |
|---|------|-------|
| A | 3.02 | Max   |
| B | 2.89 | Max   |
| C | 2.20 | Max   |
| D | 1.20 | Ref   |
| E | 0.55 | ± 0.1 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number     | Inductance (nH) | Tolerance | Test Freq. (Hz) | SRF (MHz) Min | Irms (mA) Max | DCR (Ω) Max | Q @Test Min |
|------------------|-----------------|-----------|-----------------|---------------|---------------|-------------|-------------|
| ASWI1008UF-10N□T | 10              | G,J,K     | 0.1V/50M        | 4100          | 1000          | 0.08        | 50/500      |
| ASWI1008UF-12N□T | 12              | G,J,K     | 0.1V/50M        | 3300          | 1000          | 0.09        | 50/500      |
| ASWI1008UF-15N□T | 15              | G,J,K     | 0.1V/50M        | 2500          | 1000          | 0.18        | 50/500      |
| ASWI1008UF-18N□T | 18              | G,J,K     | 0.1V/50M        | 2500          | 1000          | 0.11        | 50/350      |
| ASWI1008UF-22N□T | 22              | G,J,K     | 0.1V/50M        | 2400          | 1000          | 0.12        | 55/350      |
| ASWI1008UF-27N□T | 27              | G,J,K     | 0.1V/50M        | 1600          | 1000          | 0.13        | 55/350      |
| ASWI1008UF-33N□T | 33              | G,J,K     | 0.1V/50M        | 1600          | 1000          | 0.14        | 60/350      |
| ASWI1008UF-39N□T | 39              | G,J,K     | 0.1V/50M        | 1500          | 1000          | 0.15        | 60/350      |
| ASWI1008UF-47N□T | 47              | G,J,K     | 0.1V/50M        | 1500          | 1000          | 0.16        | 65/350      |
| ASWI1008UF-56N□T | 56              | G,J,K     | 0.1V/50M        | 1300          | 1000          | 0.18        | 65/350      |
| ASWI1008UF-68N□T | 68              | G,J,K     | 0.1V/50M        | 1300          | 1000          | 0.20        | 65/350      |
| ASWI1008UF-82N□T | 82              | G,J,K     | 0.1V/50M        | 1000          | 1000          | 0.22        | 60/350      |
| ASWI1008UF-R10□T | 100             | G,J,K     | 0.1V/25M        | 1000          | 650           | 0.56        | 60/350      |
| ASWI1008UF-R12□T | 120             | G,J,K     | 0.1V/25M        | 950           | 650           | 0.63        | 60/350      |
| ASWI1008UF-R15□T | 150             | G,J,K     | 0.1V/25M        | 850           | 580           | 0.70        | 45/100      |
| ASWI1008UF-R18□T | 180             | G,J,K     | 0.1V/25M        | 750           | 620           | 0.77        | 45/100      |
| ASWI1008UF-R22□T | 220             | G,J,K     | 0.1V/25M        | 700           | 500           | 0.84        | 45/100      |
| ASWI1008UF-R27□T | 270             | G,J,K     | 0.1V/25M        | 600           | 500           | 0.91        | 45/100      |
| ASWI1008UF-R33□T | 330             | G,J,K     | 0.1V/25M        | 570           | 450           | 1.05        | 45/100      |
| ASWI1008UF-R39□T | 390             | G,J,K     | 0.1V/25M        | 500           | 470           | 1.12        | 45/100      |



# Amode Tech. Ltd.

## ASWI1008 SERIES

|                  |       |       |            |     |     |      |        |
|------------------|-------|-------|------------|-----|-----|------|--------|
| ASWI1008UF-R47□T | 470   | G,J,K | 0.1V/25M   | 450 | 470 | 1.19 | 45/100 |
| ASWI1008UF-R56□T | 560   | G,J,K | 0.1V/25M   | 415 | 400 | 1.33 | 45/100 |
| ASWI1008UF-R62□T | 620   | G,J,K | 0.1V/25M   | 375 | 300 | 1.40 | 45/100 |
| ASWI1008UF-R68□T | 680   | G,J,K | 0.1V/25M   | 375 | 400 | 1.47 | 45/100 |
| ASWI1008UF-R75□T | 750   | G,J,K | 0.1V/25M   | 360 | 360 | 1.54 | 45/100 |
| ASWI1008UF-R82□T | 820   | G,J,K | 0.1V/25M   | 350 | 400 | 1.61 | 45/100 |
| ASWI1008UF-R91□T | 910   | G,J,K | 0.1V/25M   | 320 | 380 | 1.68 | 35/50  |
| ASWI1008UF-1R0JT | 1000  | J     | 0.1V/25M   | 290 | 370 | 1.75 | 35/50  |
| ASWI1008UF-1R2□T | 1200  | G,J,K | 0.1V/7.9M  | 250 | 310 | 2.00 | 35/50  |
| ASWI1008UF-1R5□T | 1500  | G,J,K | 0.1V/7.9M  | 200 | 330 | 2.23 | 28/50  |
| ASWI1008UF-1R8□T | 1800  | G,J,K | 0.1V/7.9M  | 160 | 300 | 2.60 | 28/50  |
| ASWI1008UF-2R2□T | 2200  | G,J,K | 0.1V/7.9M  | 160 | 280 | 2.80 | 28/50  |
| ASWI1008UF-2R7JT | 2700  | J     | 0.1V/7.9M  | 140 | 290 | 3.20 | 22/25  |
| ASWI1008UF-3R3□T | 3300  | G,J,K | 0.1V/7.9M  | 110 | 290 | 3.40 | 22/25  |
| ASWI1008UF-3R9□T | 3900  | G,J,K | 0.1V/7.9M  | 100 | 260 | 3.60 | 20/25  |
| ASWI1008UF-4R7JT | 4700  | J     | 0.1V/7.9M  | 32  | 200 | 4.00 | 18/7.9 |
| ASWI1008UF-5R6□T | 5600  | G,J,K | 0.1V/7.9M  | 45  | 240 | 4.00 | 18/7.9 |
| ASWI1008UF-6R8□T | 6800  | G,J,K | 0.1V/7.9M  | 40  | 200 | 4.90 | 18/7.9 |
| ASWI1008UF-8R2□T | 8200  | G,J,K | 0.1V/7.9M  | 25  | 170 | 6.00 | 18/7.9 |
| ASWI1008UF-100□T | 10000 | G,J,K | 0.1V/2.52M | 25  | 150 | 8.00 | 18/7.9 |

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

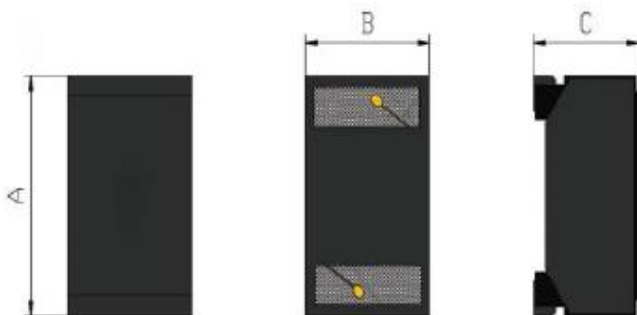


# Amode Tech. Ltd.

## AFLC1608EJ SERIES

### Multilayer Type Power Inductor

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |     |
|---|------|-----|
| A | 1.80 | Max |
| B | 1.30 | Max |
| C | 1.15 | Max |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Inductance (uH) | DC Resistance (mΩ)Max | Isat (A)Typ | Irms (A)Typ | Test Frequency (MHz) |
|------------------|-----------------|-----------------------|-------------|-------------|----------------------|
| AFLC1608EJ-1R0□T | 1.0             | 218                   | 0.60        | 1.10        | 1.0                  |
| AFLC1608EJ-2R2□T | 2.2             | 450                   | 0.50        | 0.65        | 1.0                  |
| AFLC1608EJ-4R7□T | 4.7             | 674                   | 0.35        | 0.55        | 1.0                  |
| AFLC1608EJ-100□T | 10.0            | 1488                  | 0.25        | 0.35        | 1.0                  |
| AFLC1608EJ-150□T | 15.0            | 2520                  | 0.20        | 0.25        | 1.0                  |
| AFLC1608EJ-220□T | 22.0            | 3036                  | 0.15        | 0.15        | 1.0                  |

□:J=±5%,K=±10%,M=±20%

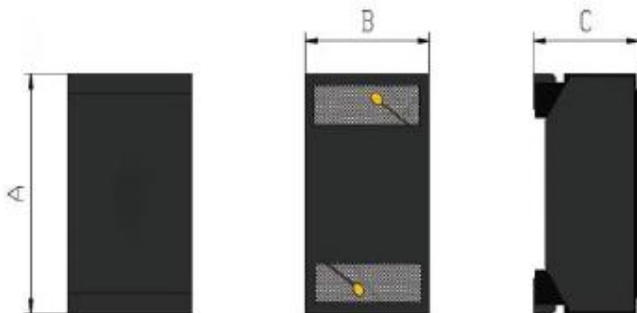


# Amode Tech. Ltd.

## AFLC1608FJ SERIES

### Multilayer Type Power Inductor

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |     |
|---|------|-----|
| A | 1.80 | Max |
| B | 1.30 | Max |
| C | 1.30 | Max |

#### ELECTRICAL CHARACTERISTICS:

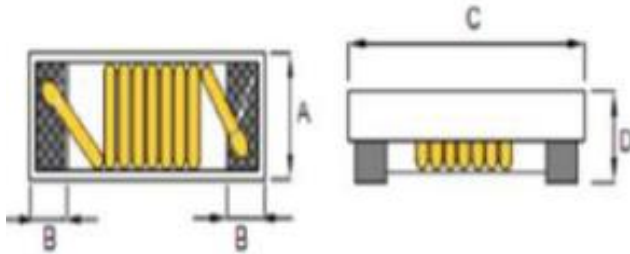


| Parts Number     | Inductance (uH) | DC Resistance (mΩ)Max | Isat (A)Typ | Irms (A)Typ | Test Frequency (MHz) |
|------------------|-----------------|-----------------------|-------------|-------------|----------------------|
| AFLC1608FJ-1R0□T | 1.0±20%         | 195                   | 0.55        | 1.20        | 1.0                  |
| AFLC1608FJ-2R2□T | 2.2±20%         | 390                   | 0.45        | 0.75        | 1.0                  |
| AFLC1608FJ-4R7□T | 4.7±20%         | 674                   | 0.35        | 0.55        | 1.0                  |
| AFLC1608FJ-100□T | 10±20%          | 1430                  | 0.20        | 0.38        | 1.0                  |
| AFLC1608FJ-150□T | 15±20%          | 2340                  | 0.15        | 0.30        | 1.0                  |
| AFLC1608FJ-220□T | 22±20%          | 2860                  | 0.10        | 0.25        | 1.0                  |

□:J=±5%,K=±10%,M=±20%

### Multilayer Type Power Inductor

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |     |
|---|------|-----|
| A | 1.20 | Max |
| B | 0.33 | Ref |
| C | 1.80 | Max |
| D | 1.00 | Max |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (uH) | Test Frequency (MHz) | Isat (A)Max | DCR (mΩ)Max |
|-----------------|-----------------|----------------------|-------------|-------------|
| AFLC1608J-R27□T | 0.27            | 7.9                  | 0.95        | 338         |
| AFLC1608J-R47□T | 0.47            | 7.9                  | 0.92        | 338         |
| AFLC1608J-R68□T | 0.68            | 7.9                  | 0.92        | 351         |
| AFLC1608J-R78□T | 0.78            | 7.9                  | 0.92        | 364         |
| AFLC1608J-1R0□T | 1.0             | 7.9                  | 0.86        | 416         |
| AFLC1608J-1R5□T | 1.5             | 7.9                  | 0.72        | 520         |
| AFLC1608J-1R8□T | 1.8             | 7.9                  | 0.64        | 559         |
| AFLC1608J-2R2□T | 2.2             | 7.9                  | 0.60        | 728         |
| AFLC1608J-2R7□T | 2.7             | 7.9                  | 0.54        | 806         |
| AFLC1608J-3R3□T | 3.3             | 7.9                  | 0.50        | 910         |
| AFLC1608J-3R9□T | 3.9             | 7.9                  | 0.46        | 1079        |
| AFLC1608J-4R7□T | 4.7             | 7.9                  | 0.40        | 1261        |
| AFLC1608J-5R6□T | 5.6             | 7.9                  | 0.38        | 1800        |
| AFLC1608J-6R8□T | 6.8             | 7.9                  | 0.34        | 1950        |
| AFLC1608J-8R2□T | 8.2             | 7.9                  | 0.30        | 2184        |

□:J=±5%,K=±10%,M=±20%



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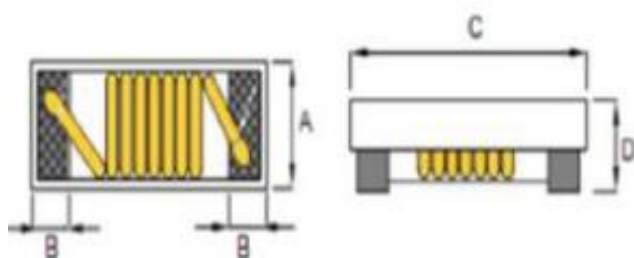
## AFLC1608J SERIES

|                 |      |     |      |      |
|-----------------|------|-----|------|------|
| AFLC1608J-100□T | 10.0 | 2.5 | 0.28 | 2405 |
| AFLC1608J-120□T | 12.0 | 2.5 | 0.26 | 2964 |
| AFLC1608J-150□T | 15.0 | 2.5 | 0.24 | 4440 |
| AFLC1608J-180□T | 18.0 | 2.5 | 0.22 | 5040 |
| AFLC1608J-220□T | 22.0 | 2.5 | 0.20 | 5640 |
| AFLC1608J-270□T | 27.0 | 2.5 | 0.14 | 6760 |
| AFLC1608J-330□T | 33.0 | 2.5 | 0.12 | 7320 |
| AFLC1608J-470□T | 47.0 | 2.5 | 0.10 | 8640 |

□:J=±5%,K=±10%,M=±20%

### Multilayer Type Power Inductor

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |       |
|---|------|-------|
| A | 1.65 | Max   |
| B | 0.44 | ± 0.1 |
| C | 2.40 | Max   |
| D | 1.20 | ± 0.1 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number    | Inductance (uH) | Test Frequency (MHz) | Isat (A)Max | DCR (mΩ)Max |
|-----------------|-----------------|----------------------|-------------|-------------|
| AFLC2012J-R10□T | 0.10            | 7.9                  | 2.40        | 91          |
| AFLC2012J-R15□T | 0.15            | 7.9                  | 1.90        | 104         |
| AFLC2012J-R22□T | 0.22            | 7.9                  | 1.70        | 130         |
| AFLC2012J-R47□T | 0.47            | 7.9                  | 1.40        | 156         |
| AFLC2012J-R68□T | 0.68            | 7.9                  | 1.20        | 195         |
| AFLC2012J-R82□T | 0.82            | 7.9                  | 1.10        | 195         |
| AFLC2012J-1R0□T | 1.00            | 7.9                  | 1.10        | 205         |
| AFLC2012J-1R2□T | 1.20            | 7.9                  | 0.96        | 208         |
| AFLC2012J-1R5□T | 1.50            | 7.9                  | 0.92        | 221         |
| AFLC2012J-1R8□T | 1.80            | 7.9                  | 0.86        | 260         |
| AFLC2012J-2R2□T | 2.20            | 7.9                  | 0.74        | 286         |
| AFLC2012J-2R7□T | 2.70            | 7.9                  | 0.68        | 325         |
| AFLC2012J-3R3□T | 3.30            | 7.9                  | 0.62        | 364         |
| AFLC2012J-3R9□T | 3.90            | 7.9                  | 0.58        | 494         |
| AFLC2012J-4R7□T | 4.70            | 7.9                  | 0.52        | 559         |

□:J=±5%,K=±10%,M=±20%



# Amode Tech. Ltd.

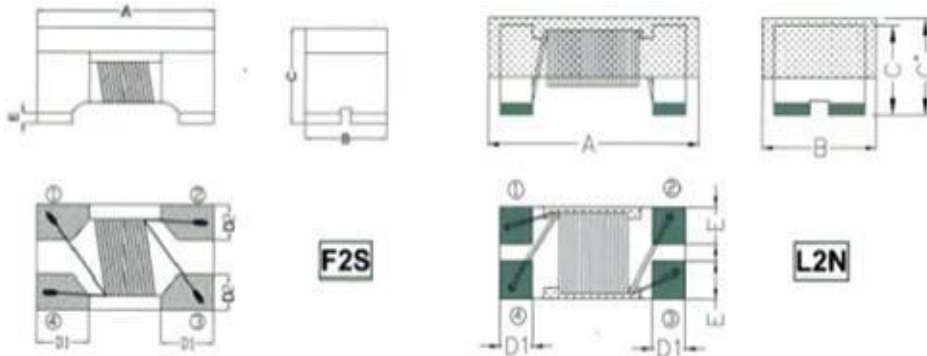
## AFLC2012J SERIES

|                 |      |     |      |      |
|-----------------|------|-----|------|------|
| AFLC2012J-5R6□T | 5.60 | 7.9 | 0.48 | 650  |
| AFLC2012J-6R8□T | 6.80 | 7.9 | 0.42 | 884  |
| AFLC2012J-8R2□T | 8.2  | 7.9 | 0.40 | 949  |
| AFLC2012J-100□T | 10.0 | 2.5 | 0.36 | 1105 |
| AFLC2012J-120□T | 12.0 | 2.5 | 0.34 | 1170 |
| AFLC2012J-150□T | 15.0 | 2.5 | 0.30 | 1820 |
| AFLC2012J-180□T | 18.0 | 2.5 | 0.28 | 2015 |
| AFLC2012J-220□T | 22.0 | 2.5 | 0.24 | 2288 |
| AFLC2012J-270□T | 27.0 | 2.5 | 0.22 | 2600 |
| AFLC2012J-330□T | 33.0 | 2.5 | 0.20 | 3673 |
| AFLC2012J-390□T | 39.0 | 2.5 | 0.18 | 4355 |
| AFLC2012J-470□T | 47.0 | 2.5 | 0.16 | 6604 |
| AFLC2012J-560□T | 56.0 | 2.5 | 0.15 | 6360 |
| AFLC2012J-680□T | 68.0 | 2.5 | 0.14 | 7200 |

□:J=±5%,K=±10%,M=±20%

### Wirewound Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

| Series | A(mm)   | B(mm)   | C(mm)   | C'(mm)  | D1(mm)   | D2(mm)   | E(mm)    |
|--------|---------|---------|---------|---------|----------|----------|----------|
| F2S    | 2.0±0.3 | 1.2±0.3 | 1.2±0.3 | -       | 0.55±0.1 | 0.46±0.1 | 0.15±0.1 |
| L2N    | 2.5 max | 1.7 max | 0.9±0.2 | 1.0±0.2 | 0.55±0.1 | -        | 0.46±0.1 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| AWCM2012F-670T04 | 67±25%        | 100              | 0.25                 | 400                   | 50                  | 125                     | 10M        |
| AWCM2012F-900T04 | 90±25%        | 100              | 0.30                 | 400                   | 50                  | 125                     | 10M        |
| AWCM2012F-121T04 | 120±25%       | 100              | 0.30                 | 400                   | 50                  | 125                     | 10M        |
| AWCM2012F-161T04 | 160±25%       | 100              | 0.35                 | 350                   | 50                  | 125                     | 10M        |
| AWCM2012F-181T03 | 180±25%       | 100              | 0.35                 | 350                   | 50                  | 125                     | 10M        |
| AWCM2012F-201T03 | 200±25%       | 100              | 0.40                 | 300                   | 50                  | 125                     | 10M        |
| AWCM2012F-221T03 | 220±25%       | 100              | 0.40                 | 300                   | 50                  | 125                     | 10M        |
| AWCM2012F-261T03 | 260±25%       | 100              | 0.40                 | 300                   | 50                  | 125                     | 10M        |
| AWCM2012F-361T03 | 360±25%       | 100              | 0.50                 | 300                   | 50                  | 125                     | 10M        |
| AWCM2012F-601T03 | 600±25%       | 100              | 0.88                 | 300                   | 50                  | 125                     | 10M        |
| AWCM2012F-102T01 | 1000±25%      | 100              | 1.30                 | 100                   | 50                  | 125                     | 10M        |

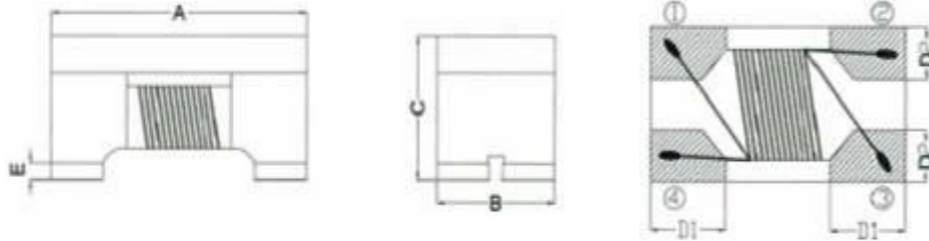


# Amode Tech. Ltd.

## AWCM3216 SERIES

### Wirewound Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|    |      |       |
|----|------|-------|
| A  | 3.20 | ± 0.3 |
| B  | 1.60 | ± 0.3 |
| C  | 2.00 | ± 0.3 |
| D1 | 0.50 | ± 0.1 |
| D2 | 0.50 | ± 0.1 |
| E  | 0.15 | ± 0.1 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| AWCM3216F-900T04 | 90±25%        | 100              | 0.30                 | 400                   | 50                  | 125                     | 10M        |
| AWCM3216F-121T03 | 120±25%       | 100              | 0.30                 | 350                   | 50                  | 125                     | 10M        |
| AWCM3216F-161T03 | 160±25%       | 100              | 0.40                 | 350                   | 50                  | 125                     | 10M        |
| AWCM3216F-221T03 | 220±25%       | 100              | 0.45                 | 300                   | 50                  | 125                     | 10M        |
| AWCM3216F-261T03 | 260±25%       | 100              | 0.50                 | 300                   | 50                  | 125                     | 10M        |
| AWCM3216F-361T03 | 360±25%       | 100              | 0.60                 | 300                   | 50                  | 125                     | 10M        |
| AWCM3216F-601T03 | 600±25%       | 100              | 0.80                 | 300                   | 50                  | 125                     | 10M        |
| AWCM3216F-102T02 | 1000±25%      | 100              | 1.00                 | 230                   | 50                  | 125                     | 10M        |
| AWCM3216F-222T02 | 2200±25%      | 100              | 1.20                 | 200                   | 50                  | 125                     | 10M        |

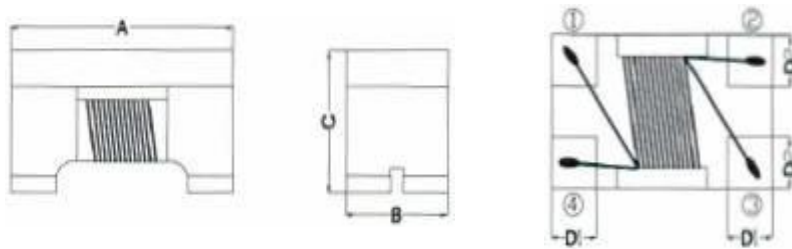


# Amode Tech. Ltd.

## AWCM3225 SERIES

### Wirewound Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|    |      |       |
|----|------|-------|
| A  | 3.20 | ± 0.3 |
| B  | 2.50 | ± 0.3 |
| C  | 2.20 | ± 0.3 |
| D1 | 0.80 | ± 0.1 |
| D2 | 0.90 | ± 0.1 |



#### ELECTRICAL CHARACTERISTICS:

| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| AWCM3225F-900T10 | 90±25%        | 100              | 0.027                | 1000                  | 50                  | 125                     | 10M        |
| AWCM3225F-601T10 | 600±25%       | 100              | 0.200                | 1000                  | 50                  | 125                     | 10M        |
| AWCM3225F-102T04 | 1000±25%      | 100              | 0.300                | 400                   | 50                  | 125                     | 10M        |

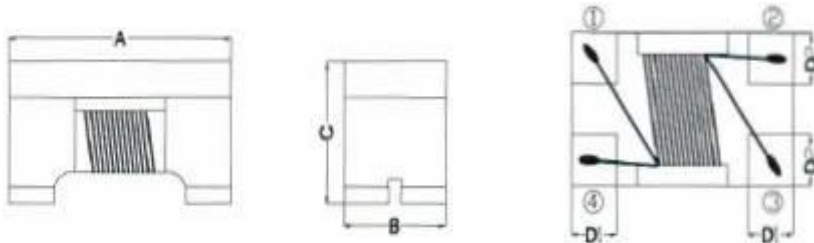


# Amode Tech. Ltd.

## AWCM4532 SERIES

### Wirewound Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|    |      |       |
|----|------|-------|
| A  | 4.50 | ± 0.3 |
| B  | 3.20 | ± 0.3 |
| C  | 2.80 | ± 0.3 |
| D1 | 1.00 | ± 0.1 |
| D2 | 1.20 | ± 0.1 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| AWCM4532F-800T30 | 80±25%        | 100              | 0.05                 | 3000                  | 50                  | 125                     | 10M        |
| AWCM4532F-900T20 | 90±25%        | 100              | 0.05                 | 2000                  | 50                  | 125                     | 10M        |
| AWCM4532F-900T30 | 90±25%        | 100              | 0.05                 | 3000                  | 50                  | 125                     | 10M        |
| AWCM4532F-121T30 | 120±25%       | 100              | 0.05                 | 3000                  | 50                  | 125                     | 10M        |
| AWCM4532F-201T15 | 200±25%       | 100              | 0.10                 | 1500                  | 50                  | 125                     | 10M        |
| AWCM4532F-601T15 | 600±25%       | 100              | 0.24                 | 1500                  | 50                  | 125                     | 10M        |
| AWCM4532F-801T10 | 800±25%       | 100              | 0.24                 | 1000                  | 50                  | 125                     | 10M        |



# Amode Tech. Ltd.

## AHDMI2012 SERIES

### Wirewound Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|    |      |        |
|----|------|--------|
| A  | 2.00 | ± 0.30 |
| B  | 1.20 | ± 0.30 |
| C  | 1.20 | ± 0.30 |
| D1 | 0.55 | ± 0.1  |
| D2 | 0.46 | ± 0.1  |
| E  | 0.15 | ± 0.1  |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number      | Impedance (Ω) |         | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|-------------------|---------------|---------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| AHDMI2012F-670T04 | 67 typ.       | 50 min. | 100              | 0.30                 | 400                   | 50                  | 125                     | 10M        |
| AHDMI2012F-900T04 | 90 typ.       | 65 min. | 100              | 0.30                 | 400                   | 50                  | 125                     | 10M        |



# Amode Tech. Ltd.

## AHSF1210 SERIES

### Wirewound Common Mode Chokes

#### 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   |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| AHSF1210F-350T02 | 35±25%        | 100              | 0.30                 | 200                   | 50                  | 125                     | 10M        |
| AHSF1210F-500T02 | 50±25%        | 100              | 0.30                 | 250                   | 50                  | 125                     | 10M        |
| AHSF1210F-600T02 | 60±25%        | 100              | 0.30                 | 250                   | 50                  | 125                     | 10M        |
| AHSF1210F-670T02 | 67±25%        | 100              | 0.30                 | 250                   | 50                  | 125                     | 10M        |
| AHSF1210F-900T02 | 90±25%        | 100              | 0.40                 | 200                   | 50                  | 125                     | 10M        |

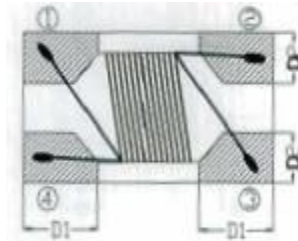
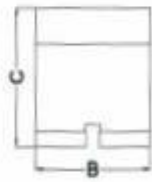
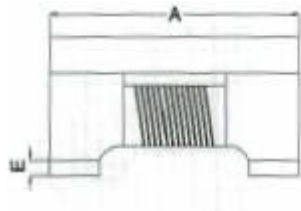


# Amode Tech. Ltd.

## AHSF2012 SERIES

### Wirewound Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|    |      |       |
|----|------|-------|
| A  | 2.00 | ± 0.3 |
| B  | 1.20 | ± 0.3 |
| C  | 1.20 | ± 0.3 |
| D1 | 0.55 | ± 0.1 |
| D2 | 0.46 | ± 0.1 |
| E  | 0.15 | ± 0.1 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| AHSF2012F-500T04 | 50±25%        | 100              | 0.25                 | 400                   | 50                  | 125                     | 10M        |
| AHSF2012F-670T04 | 67±25%        | 100              | 0.30                 | 400                   | 50                  | 125                     | 10M        |
| AHSF2012F-900T04 | 90±25%        | 100              | 0.30                 | 400                   | 50                  | 125                     | 10M        |



# Amode Tech. Ltd.

## ALCM4532 SERIES

### Wirewound Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|    |      |       |
|----|------|-------|
| A  | 4.50 | ± 0.3 |
| B  | 3.20 | ± 0.3 |
| C  | 2.80 | ± 0.3 |
| D1 | 1.00 | ± 0.1 |
| D2 | 1.20 | ± 0.1 |

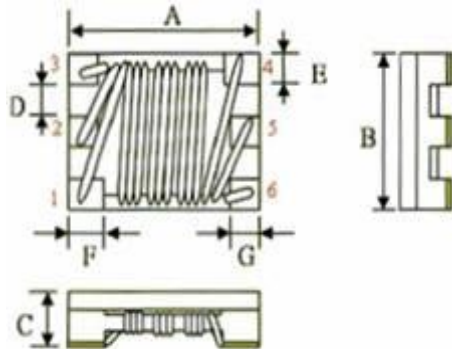
#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance (Ω) |           | Impedance(Ω)<br>(μH)+50/-30%<br>[100KHz] | DC<br>Resistance<br>(Ω)Max | Rated<br>Current<br>(mA)Max | Rated<br>Volt<br>(Vdc)Max | IR<br>(Ω)<br>Min |
|------------------|---------------|-----------|------------------------------------------|----------------------------|-----------------------------|---------------------------|------------------|
| ALCM4532F-110T03 | 300 min.      | 700 typ.  | 11                                       | 0.80                       | 300                         | 50                        | 10M              |
| ALCM4532F-220T02 | 500 min.      | 1000 typ. | 22                                       | 2.65                       | 200                         | 50                        | 10M              |
| ALCM4532F-510T02 | 1000 min.     | 2000 typ. | 51                                       | 3.50                       | 200                         | 50                        | 10M              |
| ALCM4532F-101T02 | 2000 min.     | 5000 typ. | 100                                      | 8.90                       | 200                         | 50                        | 10M              |

### Tri-wires Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |       |
|---|------|-------|
| A | 2.50 | ± 0.3 |
| B | 2.00 | ± 0.3 |
| C | 1.30 | Max   |
| D | 0.20 | ± 0.1 |
| E | 0.55 | ± 0.1 |
| F | 0.45 | ± 0.1 |
| G | 0.55 | ± 0.1 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number       | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|--------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| ATCM252013F-670T05 | 67±25%        | 100              | 0.2                  | 500                   | 50                  | 125                     | 10M        |

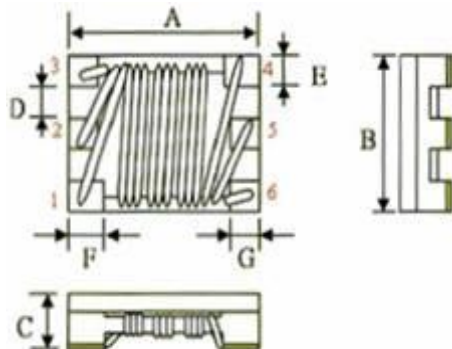


# Amode Tech. Ltd.

## ATCM322512 SERIES

### Tri-wires Common Mode Chokes

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |      |       |
|---|------|-------|
| A | 3.20 | ± 0.3 |
| B | 2.50 | ± 0.3 |
| C | 1.30 | Max   |
| D | 0.40 | ± 0.1 |
| E | 0.60 | ± 0.1 |
| F | 0.50 | ± 0.1 |
| G | 0.50 | ± 0.1 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number       | Impedance (Ω) | Test Freq. (MHz) | DC Resistance (Ω)Max | Rated Current (mA)Max | Rated Volt (Vdc)Max | Withstand Volt (Vdc)Max | IR (Ω) Min |
|--------------------|---------------|------------------|----------------------|-----------------------|---------------------|-------------------------|------------|
| ATCM322512F-161T02 | 160±25%       | 100              | 0.21                 | 200                   | 50                  | 125                     | 10M        |
| ATCM322512F-241T03 | 240±25%       | 100              | 0.33                 | 300                   | 50                  | 125                     | 10M        |
| ATCM322512F-501T05 | 500±25%       | 100              | 0.43                 | 500                   | 50                  | 125                     | 10M        |

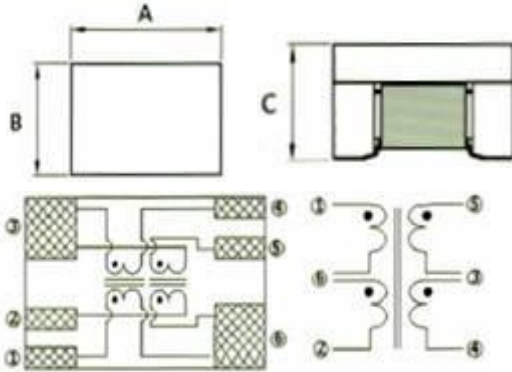


# Amode Tech. Ltd.

## ATXF4532 SERIES

### LAN Transformer

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|   |               |       |
|---|---------------|-------|
| A | 4.50          | ± 0.3 |
| B | 3.25          | ± 0.3 |
| C | 2.6Max/2.9Max |       |

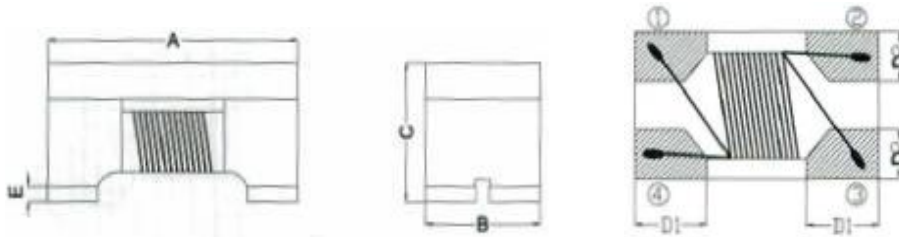
#### ELECTRICAL CHARACTERISTICS:



| Parts Number     | Impedance( $\mu$ H)<br>①to②or④to⑤ | Test Freq.<br>(MHz) | Insertion loss         | Cp Capacitance(Pf)<br>③to⑥ | Turns ratio<br>①to②or④to⑤ |
|------------------|-----------------------------------|---------------------|------------------------|----------------------------|---------------------------|
| ATXF453226NF-351 | 350 $\mu$ H (typ)                 | 100K/0.1            | 1-100MHZ<br>-1.5dB Max | 35pf(typ)                  | 1:1                       |
| ATXF453229NF-351 | 350 $\mu$ H                       | 100K/0.1            | 1-100MHZ<br>-1.5dB Max | 35pf                       | 1:1                       |

### Balun Filters

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

|    |      |       |
|----|------|-------|
| A  | 2.00 | ± 0.3 |
| B  | 1.20 | ± 0.3 |
| C  | 1.20 | ± 0.3 |
| D1 | 0.55 | ± 0.1 |
| D2 | 0.46 | ± 0.1 |
| E  | 0.15 | ± 0.1 |

#### ELECTRICAL CHARACTERISTICS:



| Parts Number        | UB/B<br>Impedance<br>(Ω) | Test<br>Freq.<br>(GHz) | DC<br>Resistance<br>(Ω)Max | Rated<br>power<br>(dBm)Ma<br>x | Rated<br>Volt<br>(DCV)Max | Withstand<br>Volt<br>(DCV)Max | IR<br>(Ω)<br>Min | Insertion<br>Loss(dB)1 to<br>1.5 GHZ | CMRR(d<br>B) 1 to<br>1.5 GHZ |
|---------------------|--------------------------|------------------------|----------------------------|--------------------------------|---------------------------|-------------------------------|------------------|--------------------------------------|------------------------------|
| ABCM2012F-75011-121 | 75±15                    | 1-1.5                  | 0.59                       | 27                             | 20                        | 50                            | 10M              | 1.4 max                              | 20 min                       |