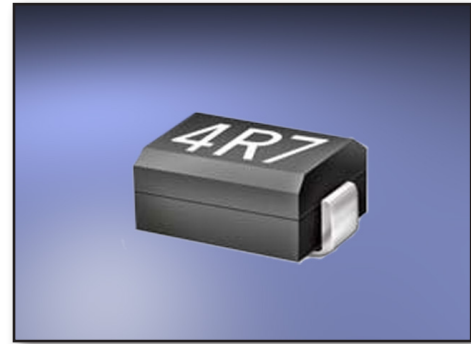


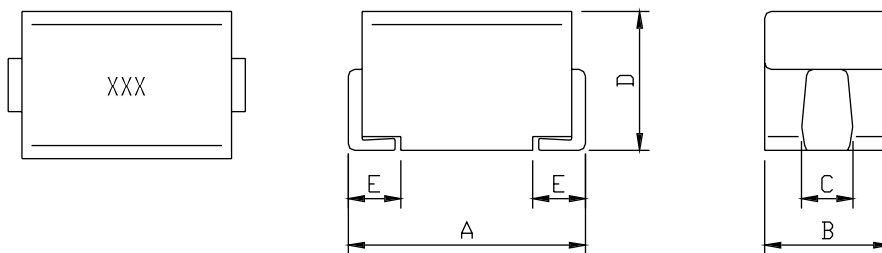
**Features :**

- Description: Ferrite core, wire-wound molded chip inductors.
- Applications: TVs, VCRs, disk drives, computer peripherals, telecommunication devices and electronic control boards for automobile.
- Operating Temperature: -45°C to +85°C
- Storage Temperature: -55°C to +105°C
- Inductance Tolerance: ±5%
- Testing: Inductance and Q are tested on an HP4284A at specified frequency.
- Packaging: Tape & reel, 2000pcs/reel.
- Marking: Parts are marked with inductance code.
- Additional info available upon request.



| Part Number    | Inductance (μH) | L Test Freq. (MHz) | Q Factor Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ohm) | Rated DC (mA) |
|----------------|-----------------|--------------------|---------------|--------------------|----------------|----------------|---------------|
| AXMC1008-R010J | .010            | 100                | 15            | 100                | 2150           | .26            | 530           |
| AXMC1008-R012J | .012            | 100                | 15            | 100                | 2050           | .27            | 500           |
| AXMC1008-R015J | .015            | 100                | 15            | 100                | 1850           | .29            | 480           |
| AXMC1008-R018J | .018            | 100                | 15            | 100                | 1650           | .31            | 450           |
| AXMC1008-R022J | .022            | 100                | 15            | 100                | 1550           | .37            | 420           |
| AXMC1008-R027J | .027            | 100                | 15            | 100                | 1400           | .40            | 410           |
| AXMC1008-R033J | .033            | 100                | 20            | 100                | 1250           | .42            | 400           |
| AXMC1008-R039J | .039            | 100                | 20            | 100                | 1100           | .45            | 380           |
| AXMC1008-R047J | .047            | 100                | 20            | 100                | 1050           | .50            | 360           |
| AXMC1008-R056J | .056            | 100                | 20            | 100                | 950            | .60            | 340           |
| AXMC1008-R068J | .068            | 100                | 20            | 100                | 900            | .65            | 320           |
| AXMC1008-R082J | .082            | 100                | 20            | 100                | 850            | .75            | 300           |
| AXMC1008-R10J  | .10             | 100                | 20            | 100                | 750            | .80            | 280           |
| AXMC1008-R12J  | .12             | 25.2               | 30            | 25.2               | 700            | .30            | 550           |
| AXMC1008-R15J  | .15             | 25.2               | 30            | 25.2               | 550            | .35            | 500           |
| AXMC1008-R18J  | .18             | 25.2               | 30            | 25.2               | 500            | .40            | 460           |
| AXMC1008-R22J  | .22             | 25.2               | 30            | 25.2               | 450            | .50            | 430           |
| AXMC1008-R27J  | .27             | 25.2               | 30            | 25.2               | 425            | .55            | 420           |
| AXMC1008-R33J  | .33             | 25.2               | 30            | 25.2               | 400            | .60            | 400           |
| AXMC1008-R39J  | .39             | 25.2               | 30            | 25.2               | 375            | .65            | 375           |
| AXMC1008-R47J  | .47             | 25.2               | 30            | 25.2               | 350            | .68            | 350           |
| AXMC1008-R56J  | .56             | 25.2               | 30            | 25.2               | 325            | .75            | 325           |
| AXMC1008-R68J  | .68             | 25.2               | 30            | 25.2               | 300            | .85            | 300           |
| AXMC1008-R82J  | .82             | 25.2               | 30            | 25.2               | 260            | 1.00           | 260           |
| AXMC1008-1R0J  | 1.0             | 7.96               | 30            | 7.96               | 245            | 1.10           | 245           |
| AXMC1008-1R2J  | 1.2             | 7.96               | 30            | 7.96               | 230            | 1.20           | 230           |
| AXMC1008-1R5J  | 1.5             | 7.96               | 30            | 7.96               | 182            | 1.30           | 220           |
| AXMC1008-1R8J  | 1.8             | 7.96               | 30            | 7.96               | 135            | 1.45           | 210           |
| AXMC1008-2R2J  | 2.2             | 7.96               | 30            | 7.96               | 105            | 1.55           | 200           |
| AXMC1008-2R7J  | 2.7             | 7.96               | 30            | 7.96               | 70             | 1.70           | 195           |
| AXMC1008-3R3J  | 3.3             | 7.96               | 30            | 7.96               | 55             | 1.90           | 185           |
| AXMC1008-3R9J  | 3.9             | 7.96               | 30            | 7.96               | 48             | 2.10           | 180           |
| AXMC1008-4R7J  | 4.7             | 7.96               | 30            | 7.96               | 43             | 2.30           | 175           |

| Part Number   | Inductance (μH) | L Test Freq. (MHz) | Q Factor Min. | Q Test Freq. (MHz) | SRF Min. (MHz) | DCR Max. (Ohm) | Rated DC (mA) |
|---------------|-----------------|--------------------|---------------|--------------------|----------------|----------------|---------------|
| AXMC1008-5R6J | 5.6             | 7.96               | 25            | 7.96               | 42             | 2.50           | 170           |
| AXMC1008-6R8J | 6.8             | 7.96               | 25            | 7.96               | 39             | 2.70           | 165           |
| AXMC1008-8R2J | 8.2             | 7.96               | 25            | 7.96               | 36             | 3.05           | 160           |
| AXMC1008-100J | 10              | 2.56               | 25            | 2.52               | 33             | 3.50           | 155           |
| AXMC1008-120J | 12              | 2.56               | 25            | 2.52               | 30             | 3.80           | 150           |
| AXMC1008-150J | 15              | 2.56               | 25            | 2.52               | 26             | 4.40           | 140           |
| AXMC1008-180J | 18              | 2.56               | 25            | 2.52               | 24             | 4.80           | 130           |
| AXMC1008-220J | 22              | 2.56               | 25            | 2.52               | 22             | 5.50           | 125           |
| AXMC1008-270J | 27              | 2.56               | 25            | 2.52               | 21             | 6.30           | 115           |
| AXMC1008-330J | 33              | 2.56               | 25            | 2.52               | 20             | 7.10           | 110           |
| AXMC1008-390J | 39              | 2.56               | 20            | 2.52               | 18             | 9.50           | 90            |
| AXMC1008-470J | 47              | 2.56               | 20            | 2.52               | 17             | 11.10          | 80            |
| AXMC1008-560J | 56              | 2.56               | 20            | 2.52               | 16             | 12.10          | 75            |
| AXMC1008-680J | 68              | 2.56               | 20            | 2.52               | 15             | 16.60          | 70            |
| AXMC1008-820J | 82              | 2.56               | 20            | 2.52               | 13             | 19.00          | 66            |
| AXMC1008-101J | 100             | .796               | 15            | .796               | 12             | 21.00          | 60            |

**Dimensions :**


| Size | A         | B         | C         | D         | E         |
|------|-----------|-----------|-----------|-----------|-----------|
| mm   | 2.5 ± 0.2 | 2.0 ± 0.2 | 1.4 ± 0.1 | 1.8 ± 0.2 | 0.45 Ref. |

**Pad Layout:**
