

## MCI Series

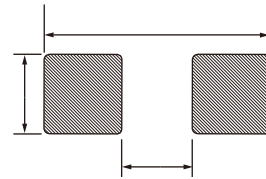
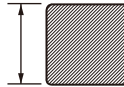
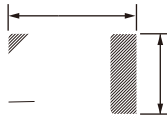
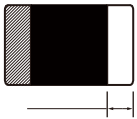


### CHARACTERISTICS

- Monolithic inorganic material construction.
- Closed magnetic circuit avoids crosstalk.
- Shapes and dimensions follow E.I.A. spec.
- Available in various sizes.
- Excellent solderability and heat resistance.
- Compliant with RoHS legislation and also support lead-free soldering.
- High SRF up to 6GHz and above.
- Quantity: 4000pcs

### APPLICATION

- High frequency circuits
- Bluetooth
- Wireless LAN
- Filter circuits
- Oscillators



| MCI1608-1N0S | 1.0 | ±0.3 nH | 14 | 8  | 300 | 0.05 | 10000 | 100 |
|--------------|-----|---------|----|----|-----|------|-------|-----|
| MCI1608-1N2S | 1.2 | ±0.3 nH | 14 | 8  | 300 | 0.05 | 10000 | 100 |
| MCI1608-1N5S | 1.5 | ±0.3 nH | 14 | 8  | 300 | 0.10 | 6000  | 100 |
| MCI1608-1N8S | 1.8 | ±0.3 nH | 10 | 8  | 300 | 0.10 | 6000  | 100 |
| MCI1608-2N2S | 2.2 | ±0.3 nH | 12 | 8  | 300 | 0.10 | 6000  | 100 |
| MCI1608-2N7S | 2.7 | ±0.3 nH | 13 | 10 | 300 | 0.10 | 6000  | 100 |
| MCI1608-3N3J | 3.3 | ±5%     | 14 | 10 | 300 | 0.12 | 6000  | 100 |
| MCI1608-3N9J | 3.9 | ±5%     | 13 | 10 | 300 | 0.14 | 6000  | 100 |
| MCI1608-4N7J | 4.7 | ±5%     | 13 | 10 | 300 | 0.16 | 4000  | 100 |
| MCI1608-5N6J | 5.6 | ±5%     | 14 | 10 | 300 | 0.18 | 4000  | 100 |
| MCI1608-6N8J | 6.8 | ±5%     | 14 | 10 | 300 | 0.22 | 4000  | 100 |
| MCI1608-8N2J | 8.2 | ±5%     | 14 | 10 | 300 | 0.24 | 3500  | 100 |
| MCI1608-10NJ | 10  | ±5%     | 14 | 12 | 300 | 0.26 | 3400  | 100 |
| MCI1608-12NJ | 12  | ±5%     | 14 | 12 | 300 | 0.28 | 2600  | 100 |
| MCI1608-15NJ | 15  | ±5%     | 15 | 12 | 300 | 0.32 | 2300  | 100 |
| MCI1608-18NJ | 18  | ±5%     | 15 | 12 | 300 | 0.35 | 2000  | 100 |

| MCI1608-22NJ | 22  | ±5% | 16 | 12 | 300 | 0.40 | 1600 | 100 |
|--------------|-----|-----|----|----|-----|------|------|-----|
| MCI1608-27NJ | 27  | ±5% | 16 | 12 | 300 | 0.45 | 1400 | 100 |
| MCI1608-33NJ | 33  | ±5% | 17 | 12 | 300 | 0.55 | 1200 | 100 |
| MCI1608-39NJ | 39  | ±5% | 18 | 12 | 300 | 0.60 | 1100 | 100 |
| MCI1608-47NJ | 47  | ±5% | 17 | 12 | 300 | 0.70 | 900  | 100 |
| MCI1608-56NJ | 56  | ±5% | 17 | 12 | 300 | 0.75 | 900  | 100 |
| MCI1608-68NJ | 68  | ±5% | 18 | 12 | 300 | 0.85 | 700  | 100 |
| MCI1608-82NJ | 82  | ±5% | 18 | 12 | 300 | 0.95 | 600  | 100 |
| MCI1608-R10J | 100 | ±5% | 18 | 12 | 300 | 1.00 | 600  | 100 |
| MCI1608-R12J | 120 | ±5% | 16 | 8  | 300 | 1.20 | 500  | 50  |
| MCI1608-R15J | 150 | ±5% | 13 | 8  | 300 | 1.20 | 500  | 50  |
| MCI1608-R18J | 180 | ±5% | 13 | 8  | 300 | 1.30 | 400  | 50  |
| MCI1608-R22J | 220 | ±5% | 12 | 8  | 300 | 1.50 | 400  | 50  |
| MCI1608-R27J | 270 | ±5% | 14 | 8  | 150 | 1.90 | 300  | 50  |

Operating Temperature : -40 ~ +85 °C

Temperature rise current: the actual value of DC current when the temperature rise is  $\Delta T 30^{\circ}\text{C}$  max.

