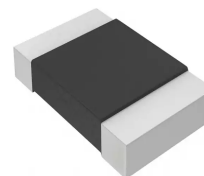
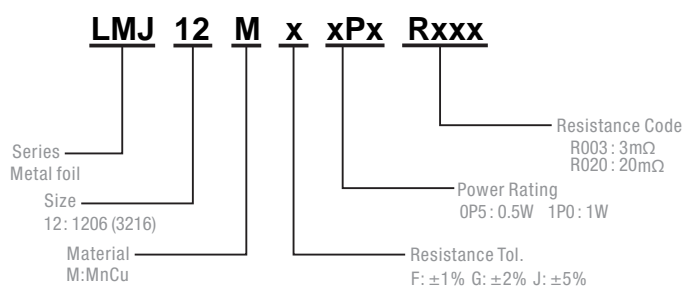


Description

- Proprietary processing technique produces extremely low resistance values
- Very low inductance
- Low thermal EMF
- Metallic Material

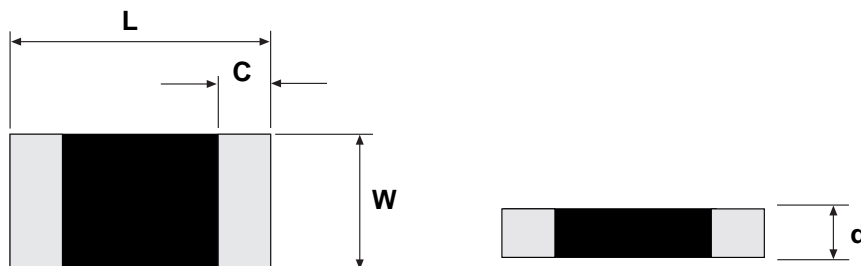


Part Numbering System



| Parameter | Standard |
|-----------------------------------------|----------------------|
| Power Rating | 0.5~1W |
| Resistance Value | 1~30mΩ |
| Operating Temperature Range | -55 to +170°C |
| Component Temperature Coefficient (TCR) | ± 50 ppm/°C |
| Maximum Working Voltage (V) | $(P \times R)^{1/2}$ |

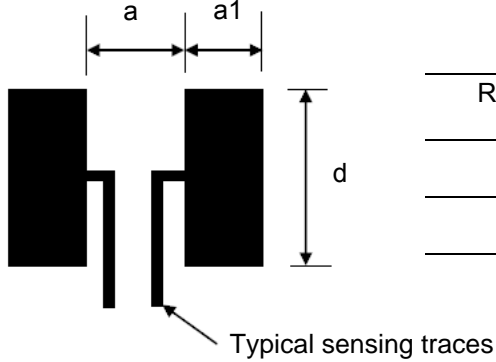
Dimensions



Unit: Millimeters

| Style | L | W | C | d |
|--------|---------|---------|------------------|----------|
| LMJ 12 | 3.2±0.2 | 1.6±0.2 | 1.1±0.3 (1mΩ) | 0.75±0.2 |
| | | | 0.5±0.3 (2~30mΩ) | |

Recommended land pattern



Unit: Millimeters

| Resistance Range (Ω) | a | a1 | d |
|-------------------------------|-----|-----|-----|
| 0.001 | 1.0 | 2.3 | 1.8 |
| 0.002~0.030 | 1.6 | 1.7 | 1.8 |

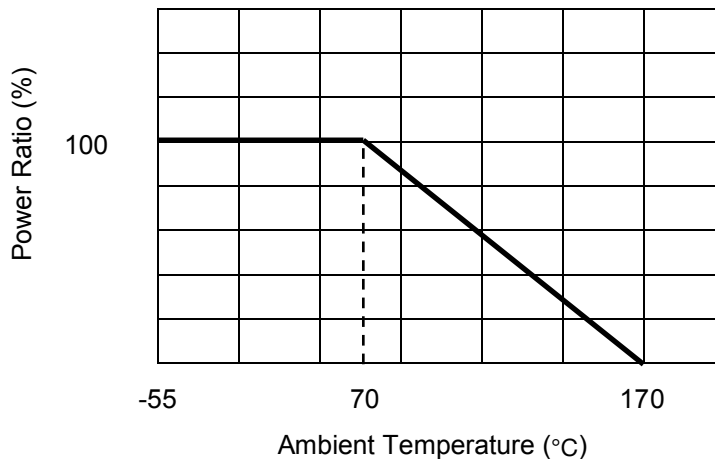
Packaging

Quantity: 5, 000pcs
8mm wide tape on 178mm(7 inch)
diameter reel -specification EIA
Standard 481.

Performance

| Test Items | Conditions of Test | Test Limits |
|--------------------------------|---------------------------------------------------------|-------------|
| Thermal shock | - 55 °C to + 150 °C, 300 cycles, 15 min at each extreme | ± 1.0 % |
| Short time overload | 5 x rated power for 5 s | ± 0.5 % |
| Low temperature operation | - 55 °C, 1000 h | ± 0.5 % |
| High temperature exposure | 1000h at + 170 °C | ± 1.0 % |
| Moisture resistance | MIL-STD- 202, method 106, 0 % power, 7b not required | ± 1.0 % |
| Load life | 1000 h at 70 °C , 1.5 h "ON", 0.5 h "OFF" | ± 1.0 % |
| Resistance to bonding exposure | 260 °C for 10 s | ± 0.5 % |

Derating Curve



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