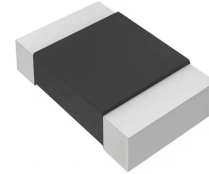
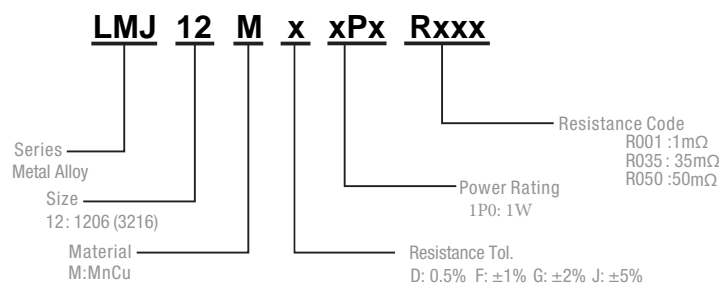


Description

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



Part Numbering System



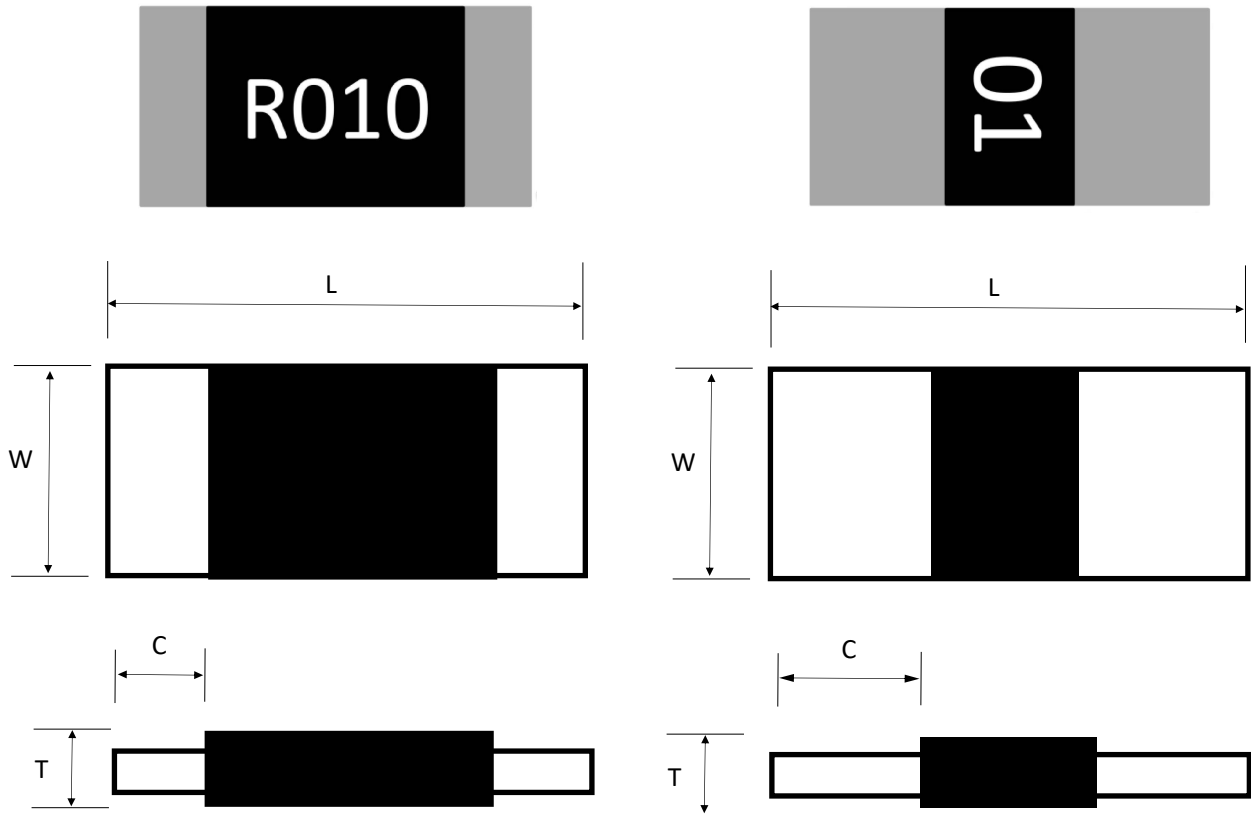
Parameter	Standard
Power Rating	1W
Resistance Value	1~100mΩ
Operating Temperature Range	-55 to +170°C
Component Temperature Coefficient (TCR)	± 50 ppm/°C
Maximum Working Voltage (V)	$(P \times R)^{1/2}$
Rating Current(A)	$(P / R)^{1/2}$

P=Power Rating; R=Resistance Value

Standard Electrical Specifications

Type	Rating Power at 70°C	T.C.R. (ppm/°C)	Resistance Range(mΩ)	Material	Operating Temperature(°C)
			0.5% (D) 1.0% (F) 2.0% (G) 5.0% (J)		
LMJ12	1W	50	1~100	R001~R100:MnCu	-55~+170°C

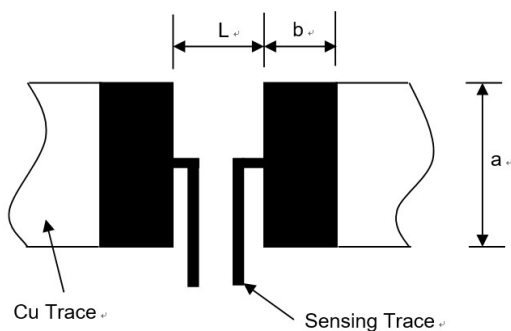
Dimensions



Unit: Millimeters

Type	L	W	C	T
LMJ 12	3.2±0.2	1.6±0.2	0.5±0.3	0.7±0.15

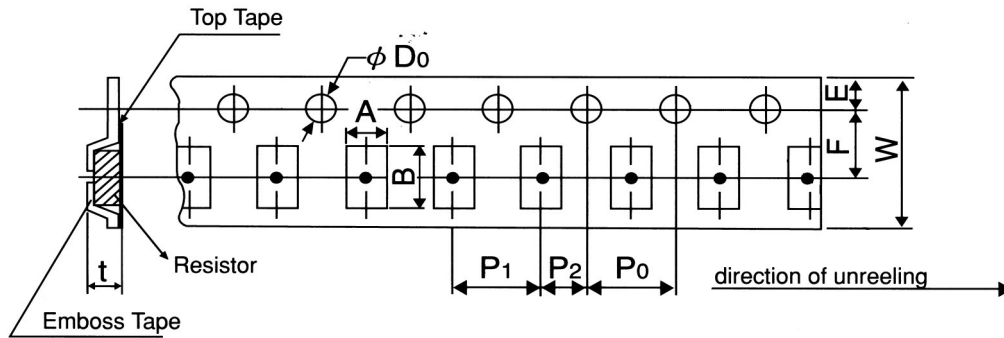
Recommended land pattern



Unit: Millimeters

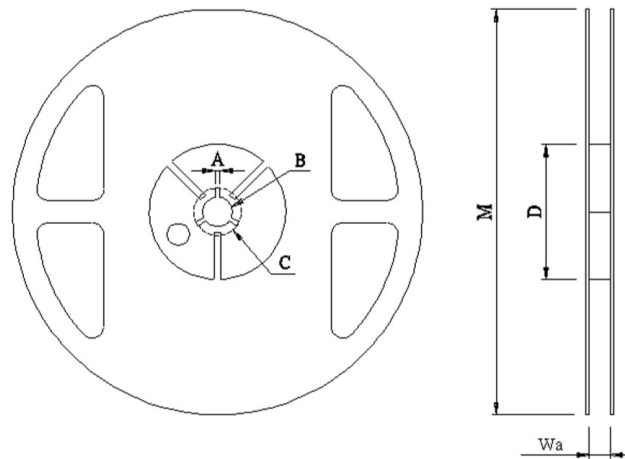
Resistance Range (Ω)	a	b	L
0.001~0.1	1.8±0.1	2.3±0.1	1.0±0.1

Tapping & Package



Type	Pack	A ±0.2	B ±0.2	D0 +0.5-0	E ±0.1	F ±0.05	P0 ±0.1	P1 ±0.1	P2 ±0.1	W ±0.2	T ±0.15
1206	Paper	2.00	3.60	1.50	1.75	3.50	4.00	4.00	2.00	8.00	0.81

Reel Specification

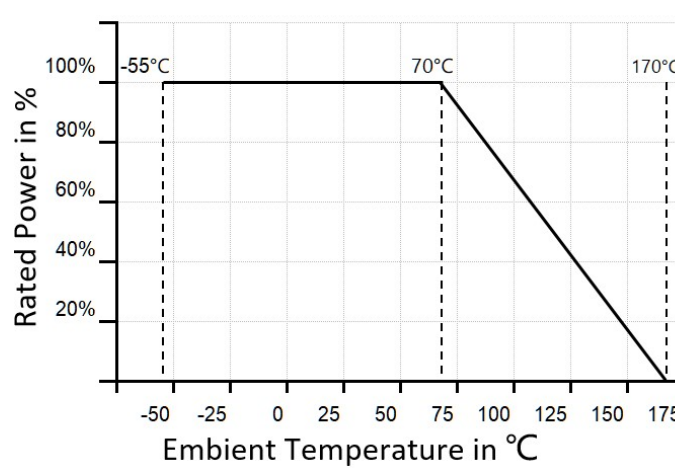


Type	A	B	C	D	M	W
1206	2.00±0.5	13.5±0.5	21.00±0.5	60.00±1.0	178.00±2.0	9.00±1.0

Product Characteristics

Item	Test condition/ Methods	Limited	Standard
Resistance	Measuring resistance value at room temperature 25°C±5°C	Refer to Spec	IEC60115-1 4.5
Temperature coefficient of resistance	$TCR = \frac{(R-R_0)/R_0}{T_2-T_1} \times 10^6$ R ₀ : resistance of room temperature R: resistance of 125°C T1: Room temperature T2: Temperature at 125°C	Refer to Spec	MIL-STD-202 Method 304
Short time Overload	5×Rated power for 5 seconds	≤±0.5%	MIL-STD-202 Method 210
Resistance to Soldering Heat	260°C± 5°C time: 10sec± 1sec	≤±0.5%	MIL-STD-202 Method 210
Temperature Cycling	-55°C (30min)/+125°C(30min), 1000 cycles	≤±0.5%	MIL-STD-202 Method107G
Low temperature Storage	-55°C for 1000hours, No power	≤±0.5%	MIL-STD-26E
High Temperature Storage	125°C for 1000hours, No power	≤±1%	IEC6011501-4.25
Bias Humidity	+85°C, 85% RH, 10%bias, 1.5 h "ON", 0.5 h "OFF", 1000hours	≤±0.5%	MIL-STD-202 Method103
Joint Strength of Solder	Soldered on the bending test plate, put on the bending testing machine, pressed under force in the center of the test plate, measure its resistance variance rate under load	≤±0.5%	JIS-C5201
Solderability	Temperature of Solder: 245±5°C Dipping time:3±1s	Solder coverage over 95%	IEC60115-1 4.17
Load life	1000 h at 70 °C , 1.5 h "ON", 0.5 h "OFF"	≤±1%	JIS-C5201
Operational life	125°C± 3°C, 1000 hours, at rated power	≤±0.5%	MIL-STD-202 Method 108

Derating Curve



Packaging

Quantity: 5,000pcs

8mm wide tape on 178mm(7 inch)
diameter reel -specification EIA
Standard 481.

单击下面可查看定价，库存，交付和生命周期等信息

[>>Prosemi \(普森美\)](#)