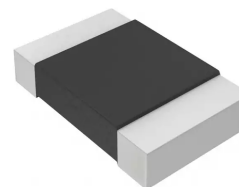
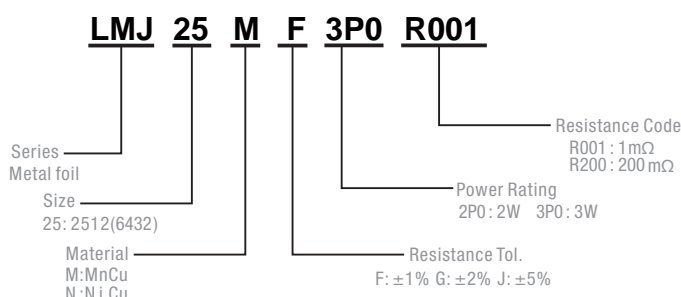


Description

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

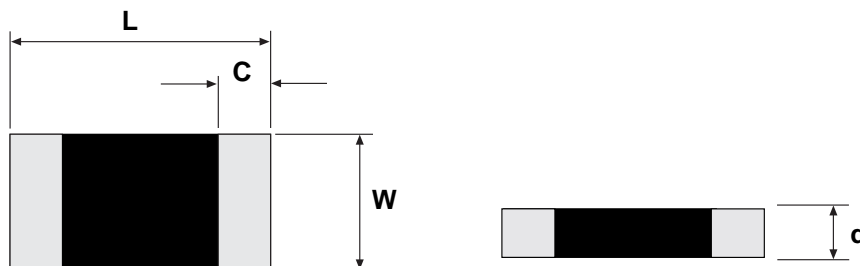


Part Numbering System



Parameter	Standard
Power Rating	0.5mΩ~100mΩ : 1~3W 101mΩ~500mΩ : 1~2W
Resistance Value	0.5~500mΩ
Operating Temperature Range	-55 to +170°C
Component Temperature Coefficient (TCR)	± 50 ppm/°C
Maximum Working Voltage (V)	$(P \times R)^{1/2}$

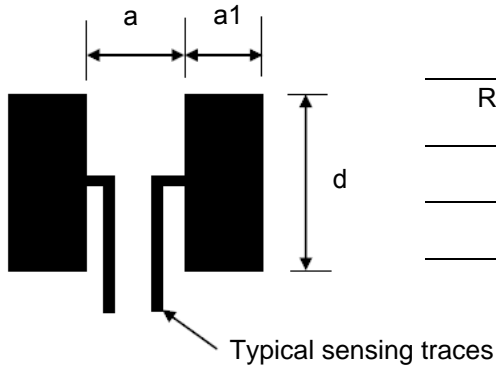
Dimensions



Unit: Millimeters

Style	L	W	C	d
LMJ 25	6.4±0.2	3.2±0.2	2.0±0.2(R≤3mΩ)	0.6 ±0.20
			0.9±0.2(R>3mΩ)	0.7 ±0.20 (≥2W, >10mΩ)

Recommended land pattern



Resistance Range (Ω)	Unit: Millimeters		
	a	a1	d
$R > 0.004$	4.1	2.1	4.0
$R \leq 0.004$	1.3	3.1	4.0

Packaging

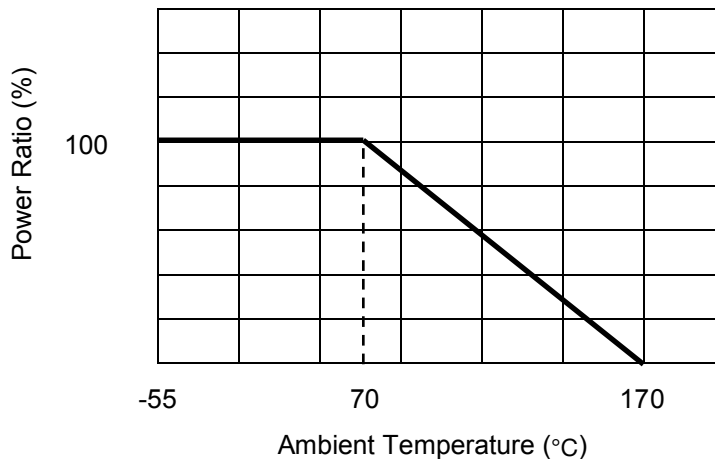
Quantity: 4, 000pcs

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	$\pm 1.0 \%$
Short time overload	5 x rated power for 5 s	$\pm 0.5 \%$
Low temperature operation	- 55 °C, 1000 h	$\pm 0.5 \%$
High temperature exposure	1000h at + 170 °C	$\pm 1.0 \%$
Moisture resistance	MIL-STD- 202, method 106, 0 % power, 7b not required	$\pm 1.0 \%$
Load life	1000 h at 70 °C , 1.5 h "ON", 0.5 h "OFF"	$\pm 1.0 \%$
Resistance to bonding exposure	260 °C for 10 s	$\pm 0.5 \%$

Derating Curve



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Current Sense Resistors - SMD category](#):

Click to view products by [PROSEMI manufacturer](#):

Other Similar products are found below :

[CRL0603-FW-R700ELF](#) [PFS35-200RF1](#) [NPS 2-T126 5.000 OHM 1%](#) [PFS35-0R01J1](#) [PFS35-0R05J1](#) [PFS35-5RF1](#) [CD2015FC-0.10-1%](#)
[PR2512FKF7W0R004L](#) [RC1005F124CS](#) [RL73K3AR56JTDF](#) [RL7520WT-R001-F](#) [RL7520WT-R009-G](#) [RL7520WT-R020-F](#) [LRC-](#)
[LR2512LF-01-R820J](#) [WR06X104JGLJ](#) [TL2BR01F](#) [65709-330](#) [SP1R12J](#) [RL7520WT-R039-G](#) [RL7520WT-R002-F](#) [LRF2010-R003JW](#)
[KRL1632E-C-R200-F-T5](#) [KRL1632E-C-R200-F-T1](#) [RLP73M1ER051FTDF](#) [RLP73M2AR075FTDF](#) [RLP73M1JR051FTDF](#)
[SR731ERTTP5R10F](#) [SR731ERTTP100J](#) [SR731ERTTP6R80F](#) [SR731ERTTP4R70F](#) [SR731ERTTP2R20F](#) [SR731ERTTP3R90F](#)
[SR731ERTTP1R00F](#) [SR731ERTTP10R0F](#) [SR731ERTTP2R00F](#) [SR731ERTTP8R20F](#) [SR731ERTTP3R9J](#) [SR731ERTTP8R2J](#)
[SR731ERTTP2R0J](#) [SR731ERTTP4R7J](#) [SR731ERTTP9R1J](#) [SR731ERTTP1R0J](#) [SR731ERTTP2R2J](#) [SR731ERTTP5R1J](#) [SR731ERTTP6R8J](#)
[SR731ERTTP9R10F](#) [RCWE2512R180FKEA](#) [FCSL64R007JER](#) [LRF1206-R018FW](#) [TLR2B10DR022FTDG](#)