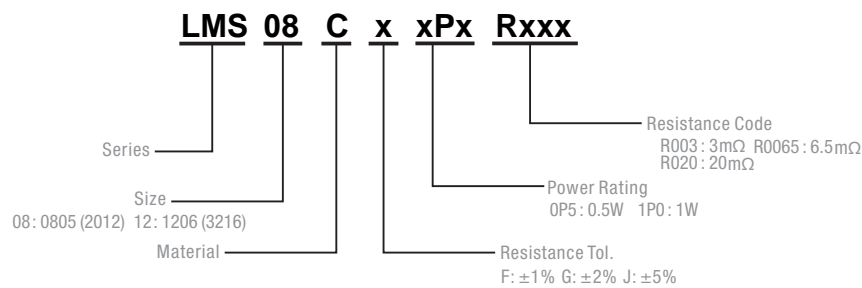


Description

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



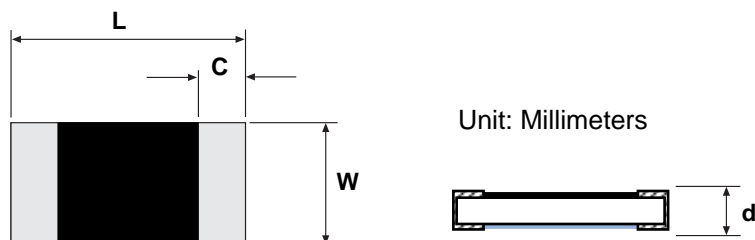
Part Numbering System



Specifications

Type	Size	Power (W)	Tolerance	Resistance Value (mΩ)	Operation Temperature Range	T.C.R
LMS08	0805	0.75	±1%	5 ~ 30 mΩ	-55 ~ +155°C	±50ppm/°C
LMS12	1206	1.0	±2% ±5%	5 ~ 40 mΩ		

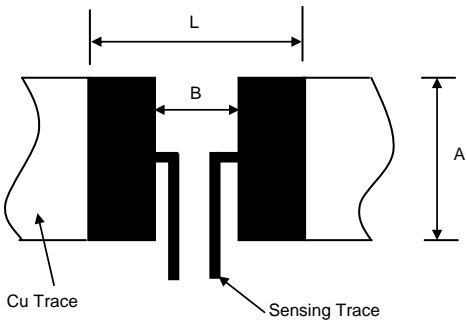
Dimensions



Type	L	W	C	d
LMS08	2.00±0.20	1.25±0.20	0.40±0.30	0.70±0.20
LMS12	3.20±0.20	1.60±0.20	0.50±0.30	0.70±0.20

Recommended land pattern

Unit: Millimeters



Series	Resistance (mΩ)	A	L	B
LMS08	$5 \leq R < 10$	1.4	3.2	0.8
	$10 \leq R \leq 30$			1.2
LMS12	$5 \leq R < 10$	1.8	4.7	1.2
	$10 \leq R < 20$			1.8
	$20 \leq R \leq 40$			2.2

Packaging

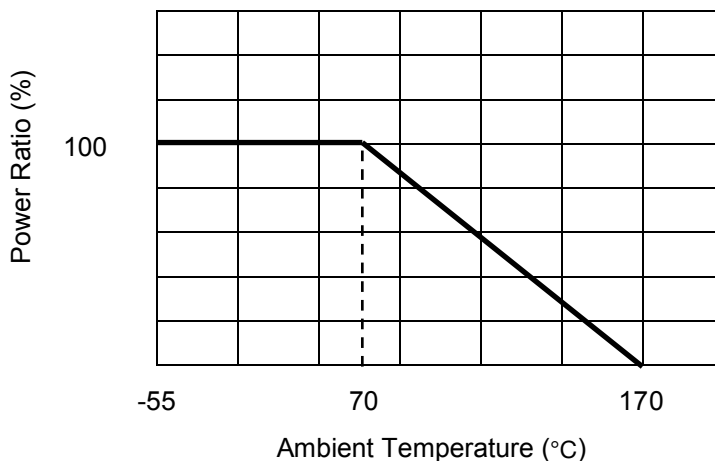
Type	LMS08	LMS12
Pieces/Package	4,000	4,000

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



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](#) [Y14880R02000B9R](#) [RLP73M1ER051FTDF](#) [RLP73M2AR075FTDF](#)
[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](#)