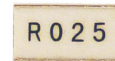


Metal Foil Current Sensing Surface Mount Chip Resistor

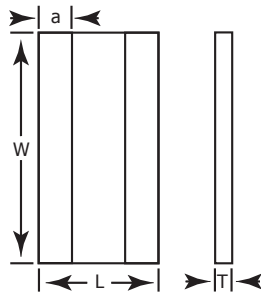
Features

- High stability metal foil technology
- Single sided or full wraparound terminals
- 100% tin over nickel barrier for solder attachment
- RoHS compliant and Halogen free
- Tape and reel packaging



Part Number	(L)ength ± 0.008"	(W)idth ± 0.008"	(T)hickness Max	(a) Terminal Width	Rated Power @ 70°C	Resistance Range	Tolerance	Attachment Method	Terminal Metallization
MLI-1835SS	.180"	.350"	0.028"	2 mΩ up 0.028" 1 mΩ 0.063"	5W	.001Ω .002Ω .003Ω - up	±5% ±2% ±1%	Solder	NiCr/Ni/Sn
MLI-1835WA	.180"	.350"	0.028"	2 mΩ up 0.028" 1 mΩ 0.063"	4W	.001Ω .002Ω .003Ω - up	±5% ±2% ±1%	Solder	NiCr/Ni/Sn
MLI-2043SS	.200"	.430"	0.028"	2 mΩ up 0.031" 1 mΩ 0.063"	6W	.001Ω .002Ω .003Ω - up	±5% ±2% ±1%	Solder	NiCr/Ni/Sn
MLI-2043WA	.200"	.430"	0.028"	2 mΩ up 0.031" 1 mΩ 0.063"	5W	.001Ω .002Ω .003Ω - up	±5% ±2% ±1%	Solder	NiCr/Ni/Sn

Dimensional Outline



Item	Specification
Operating Temperature	-55°C to +155°C
TCR	1 mΩ ± 200 ppm/°C 2 mΩ ± 100 ppm/°C 3 mΩ up ± 50 ppm/°C
Resistance Range	1 mΩ - 9 mΩ (1 mΩ steps) 10 mΩ - 500 mΩ (E-6 values)
Substrate Material	99.6% Alumina

Ordering Information

Example: 1835, 4mW, 0.005Ω, 1%, resistor with wraparound terminals

MLI - 1835WA - R005 - F

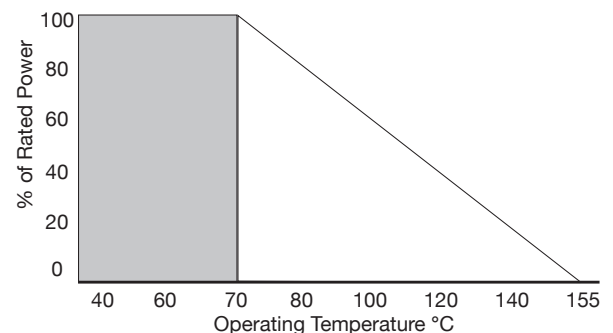
Sizes
1835
2043

Terminal Style
SS - Single Sided
WA - Wraparound

Tolerance
F = 1%
G = 2%
J = 5%

Resistance Value
Highest resistor value is 500 mΩ (R500). For values below 1Ω use 'R' to indicate a decimal point before resistance value.
For example: 0.00 5Ω is noted as R005, 0.05Ω is noted as R050.

Derating Curve



International Manufacturing Services, Inc.

50 Schoolhouse Ln., Portsmouth RI 02871 USA

Tel (401) 683-9700 • Fax (401) 683-5571 • e-mail: ims@ims-resistors.com • www.ims-resistors.com