

MELF Resistors

Metal Electrode Leadless Face

Metal Electrode Leadless Face (MELF) Resistors are round or cylindrical in shape. They are available in embossed plastic tape on 7" reels. The terminals on MELF resistors are force-fitted steel caps with Sn plated termination. Parts are also available in Zero-Ohm value. Land pattern sizes for MELF resistors are the same as SMD chip resistor.

MELF Metal Electrode Leadless Face Component Resistors

Part Description	Body Size (Inch)	(mm)	Tape Width	Tape Pitch	Quantity 7" Reel
0805SMR-MELF-PL-Sn	.08" x .05"	2.0 x 1.27mm	8mm	4mm	3,000
1206SMR-MELF-PL-Sn	.12" x .06"	3.0 x 1.5mm	8mm	4mm	2,000
1406SMR-MELF-PL-Sn	.14" x .06"	3.56 x 1.5mm	8mm	4mm	3,000
2309SMR-MELF-PL-Sn	.23" x .09"	5.84 x 2.29mm	12mm	4mm	1,500

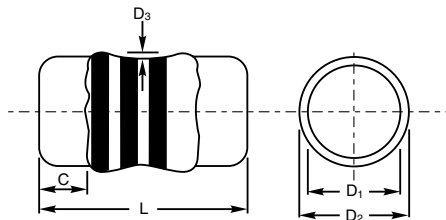
Notes

- MELF is the acronym for Metal Electrode Leadless Face.
- 90/10 solder plated end caps.
- Suitable for reflow and wave soldering.
- Meets or exceeds EIAJ-8009, EIA-PDP-100.
- Force fitted steel caps are tin plated. SnPb is available upon request based on availability.
- Tape type is plastic.

Part Description System

Body Size in Inches — 0805SMR—MELF-PL— Tape Type

Surface Mount Resistor — Cylindrical MELF Type
Carbon Film Resistor



Case Size	Size Code Dimensions				
	L	C Min	D ₁	D ₂ Max	D ₃ Max
0805	2.0±0.1 (0.079±0.004)	0.3 (0.012)	1.25±0.05 (0.049±0.002)	1.35 (0.053)	0.07 (0.003)
1406	3.5±0.2 (0.138±0.008)	0.5 (0.02)	1.45±0.10 (0.057±0.004)	1.55 (0.061)	0.10 (0.004)
1206	3.2±0.2 (0.126±0.008)		1.55±0.15 (0.061±0.006)	1.75 (0.069)	0.10 (0.004)
2309	5.9±0.2 (0.232±0.008)		2.2±0.10 (0.087±0.004)	2.40 (0.094)	0.15 (0.006)

Unit: mm (Inch)