

Metal Film Leadless Fixed Resistors

Performance Specification

Temperature Coefficient	±100, ±50, ±10 PPM/°C
Short Time Overload	± (0.5%+0.05Ω) Max, with no evidence of mechanical damage.
Resistance to Soldering	± (0.5%+0.05Ω) Max, with no evidence of mechanical damage.
Pulse Overload	± (1%+0.05Ω) Max, with no evidence of mechanical damage.
Load Life	± (2%+0.05Ω) Max, with no evidence of mechanical damage.
Load Life in Humidity	± (2%+0.05Ω) Max, with no evidence of mechanical damage.
Solderability	95% Coverage Min.

Ordering Procedure: Ex.: MELF Metal Film type 0204 1/4W-S, +/- 0.1% 15PPM 100Ω Tape/Reel 3000

M	2	4	S	4	B	B	1	0	0	0	T	3	0		
Type: M24 = Metal Film 0204 M27 = Metal Film 0207 M39 = Metal Film 0309			Wattage: Normal size: W8 = 1/8W W4 = 1/4W W2 = 1/2W Small size: S4 = 1/4W-S S2 = 1/2W-S 1S = 1W-S Extra Small size: 1U = 1W-SS 2U = 2W-SS			Tolerance: B = ±0.1% C = ±0.25% D = ±0.5% F = ±1% G = ±2% J = ±5%			Resistance Value: • E-24 series: 1 st digit is "O" 2 nd & 3 rd digits are the significant figures of the resistance 4 th indicates the number of zeros: "J" ~ 0.1, "K" ~ 0.01 Ex.: 4.7Ω ~ 47J, 4.7KΩ ~ 472 • E-96 series: 1 st to 3 rd digits are the significant figures of the resistance and the 4 th digit indicates the number of zeros. Ex.: 1.33KΩ = 1331			Packing Type: T = Tape/Reel		Packing Qty: 2 = 2,000 pcs. 3 = 3,000 pcs. B = 2,500 pcs.	
					A = 10PPM B = 15PPM C = 25PPM F = 50PPM G = 100PPM J = 200PPM			Additional Information: 0 = NIL							

Features

- SMD metal film resistor
- High terminal strength
- High stability and Low temperature coefficient
- Excellent solderability
- Suitable for Flow, Reflow and hand soldering

Part No.	Power Rating at 70°C	Dimension (mm)			
		L±0.2	C(Min)	D1	D2(Max)
Normal size					
M24W8	1/8W (0.125W)	3.5	0.5	1.4 ± 0.15	1.55
M27W4	1/4W (0.25W)	5.9	0.5	2.2 ± 0.2	2.4
M39W2	1/2W (0.50W)	8.5	0.5	3.2 ± 0.2	3.4
Small size					
M24S4	1/4W (0.25W)	3.5	0.5	1.4 ± 0.15	1.55
M27S2	1/2W (0.50W)	5.9	0.5	2.2 ± 0.2	2.4
M271U	1W	5.9	0.5	2.2 ± 0.2	2.4
M391S	1W	8.5	0.5	3.2 ± 0.2	3.4
M392U	2W	8.5	0.5	3.2 ± 0.2	3.4

