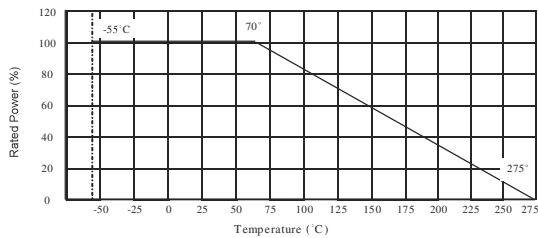
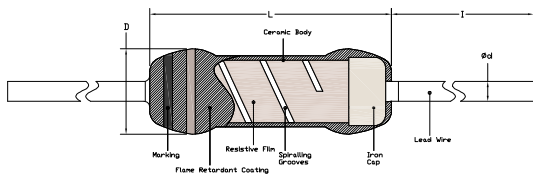


**Features**

- Flame-proof silicone coating equivalent to UL94V0
- Suitable for automatic machine insertion
- High reliability for performance
- Standard size resistors are coated with layers of grey color lacquer
- Miniature size resistors are coated with layers of pink color lacquer

**Dimensions and Construction**



Type (Power Rating)	Dimensions			
	Inches (Millimeters)			
	L	D	l	d
MO1/4 (1/4W)	0.248 ± 0.020 (6.30 ± 0.50)	0.091 ± 0.012 (2.30 ± 0.30)	1.102 ± 0.118 (28.00 ± 3.00)	0.024 ± 0.002 (0.60 ± 0.05)
MO1/2SS (1/2W)				
MO1/2 (1/2W)				
MO1SS (1W)	0.354 ± 0.020 (9.00 ± 0.50)	0.26 ± 0.020 (3.20 ± 0.50)	1.063 ± 0.118 (27.00 ± 3.00)	0.031 ± 0.002 (0.78 ± 0.05)
MO1 (1W)				
MO2SS (2W)				
MO2 (2W)	0.630 ± 0.040 (16.00 ± 1.00)	0.197 ± 0.020 (5.00 ± 0.50)	1.260 ± 0.118 (32.00 ± 3.00)	0.031 ± 0.002 (0.78 ± 0.05)
MO3SS (3W)				
MO3 (3W)				
MO5SS (5W)	0.984 ± 0.079 (25.00 ± 2.00)	0.335 ± 0.040 (8.50 ± 1.00)	1.496 ± 0.118 (38.00 ± 3.00)	0.031 ± 0.002 (0.78 ± 0.05)
MO5 (5W)				

**Ordering Code / Information**

MO	1/4	-	XXXX	J	-	A	5
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Type	Power Rating	Nominal Resistance		Resistance Tolerance	Packaging	Quantity
Flame-Proof Metal Oxide Resistors	1/4 1/2 1/2SS 1 1SS 2 2SS 3 3SS 5 5SS	Resistors	3-Digit E24 Series 2.2Ω=2R2 100Ω=101	G = ±2% J = ±5%	A = Ammo (52mm) S = Spool (52mm) M = Ammo (26mm) R = Spool (26mm) N = Ammo (73mm) Q = Spool (73mm) B = Bulk	025 = 250 pcs 05 = 500 pcs 1 = 1,000pcs 2 = 2,000pcs 3 = 3,000pcs 5 = 5,000pcs

## Application and Ratings

Product Type	Power Rating @ 70°C	T.C.R (ppm/°C) Max	Resistance Range E-24 G(±2%), J(±5%)	Max Working Voltage	Max Overload Voltage	Operating Temperature Range
MO1/4	1/4W	±350	0.1Ω - 100KΩ	250V	400V	-55°C to +275°C
MO1/2	1/2W				500V	
MO1/2SS				1W	350V	
MO1						
MO1SS	2W			500V		
MO2						
MO2SS	3W			350V		
MO3						
MO3SS	5W			500V		
MO5						
MO5SS	1000V					

Test	Specification		Test Method
<b>Resistance Value</b>	Within Resistors specification		To be measure at 25°C
<b>Resistance Temperature Coefficient</b>	Within Specification of TCR		25°C/ +125°C
<b>Short Time Overload</b>	±(0.5%+0.05Ω)	For 2% & 5% tolerance	Apply 2.5 times of rated voltage or maximum overload voltage for 5 secs which is lower
<b>Resistance to Soldering Heat</b>	±(0.5%+0.05Ω)	For 2% & 5% tolerance	260°C ± 5°C, 10 seconds ± 1 second
<b>Moisture Resistance</b>	±(3.0%+0.05Ω)	For 2% & 5% tolerance	40°C ± 2°C, 90% - 95% RH, 1000 hours
<b>Load Life</b>	±(3.0%+0.05Ω)	For 2% & 5% tolerance	70°C ± 2°C ,1000 hours, 1.5 hours On, 0.5 hours Off cycle