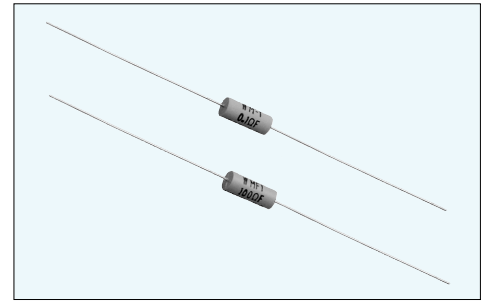


POWER TYPE SILICON MOLD WIRE-WOUND RESISTORS

WM / WMF

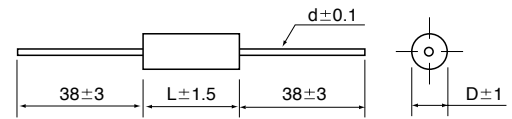
Features :

Heat-Resistance SILICON MOLD brings excellent radiative specification in self-heating and excellent load life stability is available.
 Strongly resistance to moisture and solvent.
 Inductive type (WM series) and Non-inductive type (WMF series) are available.



Type	Wattage Rating (W)	Resistance Range (Ω)	MAX. Working (V)	Resistance Tolerance (%)	Operating Temp. (°C)
WM-1	1	0.1~500	70	±0.5 (D) R ≥ 10Ω	-55 +200
WMF 1	1	1~100	35	±1 (F) ±2 (G) ±5 (J) ±10 (K)	

Dimensions (mm)

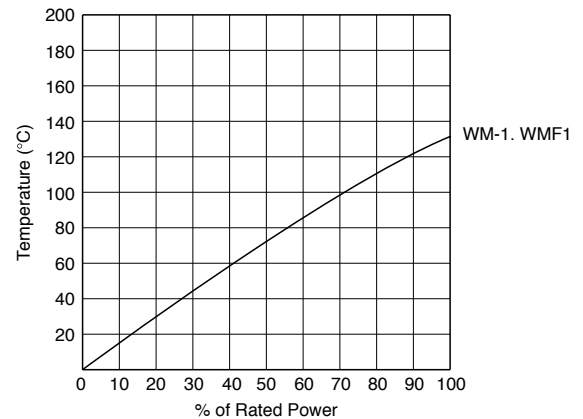


Type	Dimensions (mm)			Weight (g)
	L	D	d	
WM-1 WMF1	10	4	0.6	0.4

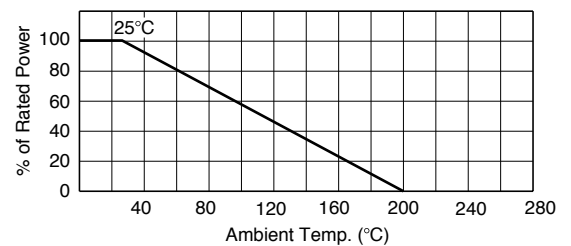
Performance

Parameters	Test Condition	Specification
Short Time Over Load	5x Wattage Rating 5sec	±(0.2%+0.05Ω)
Terminal Strength	24.5N 30sec	±(0.1%+0.05Ω)
Dielectric Strength	AC500V 1mim	±(0.1%+0.05Ω)
Insulation Resistance	DC500V	1000MΩ MIN
Heat Resistance	200°C 2Hr	No Damage
Resistance to Solvents	IPA 60sec	No Damage
Moisture Resistance	Temp. 40°C. Moisture 95% DC100V 1000Hr	±(0.2%+0.05Ω)
Vibration	JIS C 5202 6.3	±(0.2%+0.05Ω)
Temp. Coefficient	Standard Temp. +20°C, Test Temp. 0°C 120°C 200°C	R ≥ 10Ω ± 30ppm/°C R < 10Ω ± 50ppm/°C R < 1Ω ± 90ppm/°C
Load Life	Wattage Rating 1.5Hr ON, 0.5Hr OFF 1000Hr	±(1.0%+0.05Ω)

Surface Temp. Versus Power Load



Ambient Temp. Derating Curve



How to order

WM-1 4.7Ω F
 Type Resistance Tolerance

- Standard Resistance E-24 Series J (±5%)
- In case of Non-inductive type use WMF