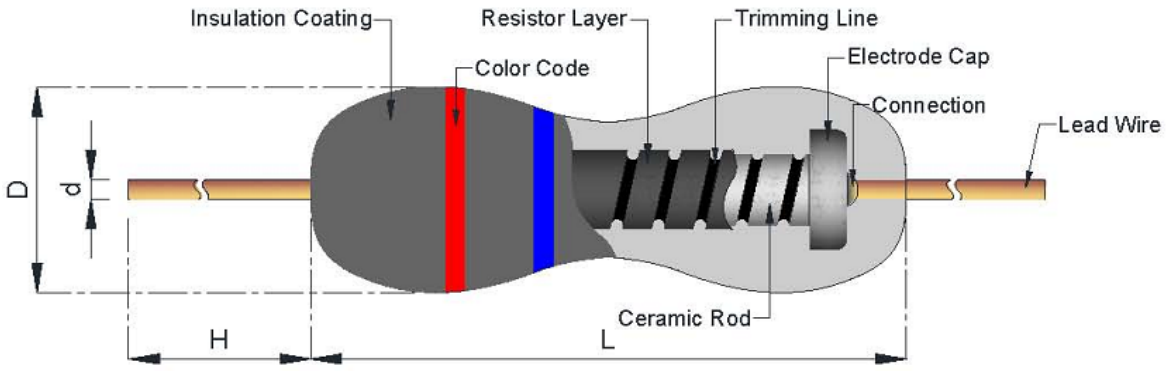
FMF (High Power) series
Metal Film Flame Proof High Power Fixed Resistors

◆ Features
» Low Noise
» Low T.C.R. 200ppm, 100ppm,
» High Precision 5%, 1%,
» Flame Proof: Silicone Coating

◆ Power Ratings Dimensions
» Ultra small type: 1Wss ~ 2Wss



◆ Dimensions

Dimensions (mm)				
Type	L	D	H	d
FMF 1WSS	6.3 ± 0.5	2.3 ± 0.3	28 ± 2.0	0.55 ± 0.03
FMF 2WSS	9.0 ± 0.5	3.2 ± 0.5	26 ± 2.0	0.55 ± 0.03

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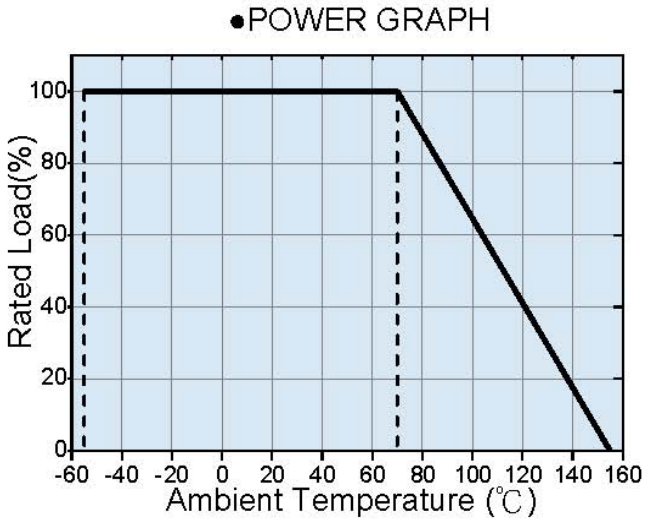
◆ Part Number

FMF	2WSS	J	3K9	T	
Type	**Watt**	**Tolerance**	**R value**	**Packing**	**TCR Value**
	1WSS	J = ± 5%	3.9K = 3K9	T = Taping Box	Blank= ±200ppm
FMF High Power	2WSS	F = ± 1%	10KΩ = 10K	B = Bulk	E = ±100ppm
				R = Taping Reel	

◆ Electrical Characteristics

Power rating at 70℃		1WSS	2WSS
Resistance Range(Ω)	0.5%/ 1%/5%	10R ~ 1M	
Operating Temp. Range		- 55℃ ~ +155℃	
Max. Working Voltage		400V	450V
Max. Overload Voltage		500V	600V
Dielectric Withstanding volt.		400V	500V

Value Range for standard resistance, below or over this resistance on request



Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

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◆ Environmental Characteristics

Performance Test	Test Method	Appraise
Short time overload	2.5 times RCWV for 5 seconds	±(0.5%+0.05Ω)
Temperature Coefficient (T.C.R)	Resistance value at room Temperature and room Temperature+100℃	By Type
Voltage Proof	In V-Block for 60 seconds	By Type
Pulse Overload	4 times RCWV for 10000cycles (1sec.on，25secs.off)	±(1%+0.05Ω)
Insulation Resistance	In V-Block	＞10000MΩ
Load Life	70℃ at RCWV for1000hrs. (1.5hrs. on，0.5hrs.off)	±(2%+0.05Ω)
Load Life in Humidity	40±2℃ 90~95%RH at RCWV for1000hrs. (1.5hrs. on，0.5hrs.off)	±(2%+0.05Ω)
Solder Ability	260±5℃ for 2±0.5 seconds	95% min. coverage
Resistance to Solvent	Trichloroethane for 1 min with ultrasonic	No deterioration of coatings and markings
Terminal Strength	Direct load for 10 sec. In the direction off the terminal leads.	Tensile:≧2.5kg

Reference Standards: IEC 60115-1

Storage Temperature: 25±3°C; Humidity < 80%RH

Rated continuous Working Voltage (RCWV) = $\sqrt{\ }$POWER. RATING. * RESISTANCE.VALUE

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