



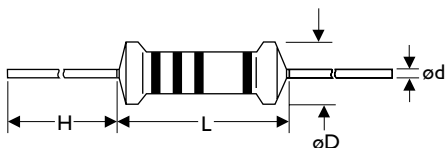
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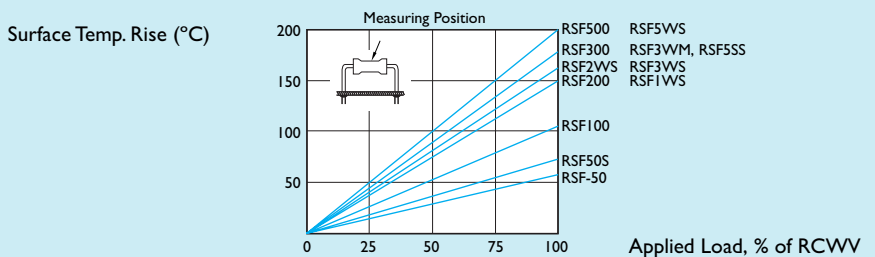
INTRODUCTION

The normal style & the miniature style of RSF series are coated with layers of gray and pink colors flame-proof lacquer respectively.

DIMENSIONS



DERATING CURVE



		Unit : mm			
STYLE		DIMENSION			
Normal	Miniature	L	øD	H	ød
—	RSF50S	6.3±0.5	2.3±0.3	28±2.0	0.6±0.05
RSF-50	—	9.0±0.5	3.2±0.3	26±2.0	0.6±0.05
—	RSF1W S	9.0±0.5	3.2±0.3	26±2.0	0.6±0.05
RSF100	RSF2W S	11.5±1.0	4.5±0.5	35±2.0	0.8±0.05
RSF200	RSF3W S	15.5±1.0	5.0±0.5	33±2.0	0.8±0.05
RSF5SS	RSF3W M	17.5±1.0	6.5±1.0	32±2.0	0.8±0.05
RSF300	RSF5W S	24.5±1.0	8.5±1.0	38±2.0	0.8±0.05
RSF500	—	24.5±1.0	8.5±1.0	38±2.0	0.8±0.05

Note :

ELECTRICAL CHARACTERISTICS

STYLE	RSF50S	RSF-50	RSF1W S	RSF100	RSF2W S	RSF200	RSF3W S/ RSF3W M	RSF300	RSF5SS/ RSF5W S	RSF500
Power Rating at 70°C	1/2W		1W		2W		3W		5W	
Operating Temp. Range	-55°C to +155°C									
Maximum Working Voltage	250V	250V	300V	350V	350V	350V	400V/450V	500V	500V/600V	750V
Maximum Overload Voltage	400V	400V	500V	600V	600V	600V	700V/700V	800V	800V/800V	1000V
Dielectric Withstanding Voltage	350V	350V	400V	500V	500V	500V	600V/600V	700V	700V/800V	800V
Value Range ±5%	1Ω~510KΩ									
Temperature Coefficient	±300ppm/°C									

* Standard resistance is 1Ω~510KΩ, below or over this resistance on request.

ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD		APPRAISE
Short Time Overload	JS-C-5202 5.5	2.5 Times RCW V for 5 Seconds	±(1%+0.05Ω)
Dielectric Withstanding Voltage	JS-C-5202 5.7	in V-Block for 60 Seconds	by Type
Temperature Coefficient of Resistance	JS-C-5202 5.2	-55°C to +155°C	±200ppm/°C
Insulation Resistance	JS-C-5202 5.6	in V-Block	>1000MΩ
Solderability	JS-C-5202 6.5	235°C for 5±0.5 Seconds	95% Min. Coverage
Resistance to Solvent	JS-C-5202 6.9	Trichroethane for 1 Min. with Ultrasonic	No Deterioration of Coatings and Markings
Terminal Strength	Direct Load for 10 Sec. in The Direction of The Terminal Leads		≥2.5kg (24.5N)
Pulse Overload	JS-C-5202 5.8	4 Times RCW V 10000 Cycles (1 Sec. on , 25 Sec. off)	±(2%+0.05Ω)
Load Life in Humidity	JS-C-5202 7.9	40±2°C, 90~95% RH at RCW V for 1000 Hrs (1.5 Hrs on , 0.5 Hrs off)	±(5%+0.05Ω)
Load Life	JS-C-5202 7.10	70°C at RCW V for 1000 Hrs (1.5 Hrs on , 0.5 Hrs off)	±(5%+0.05Ω)
Temperature Cycling	JS-C-5202 7.4	-55°C → Room Temp. → +155°C → Room Temp. for 5 Cycles	±(1%+0.05Ω)
Resistance to Soldering Heat	JS-C-5202 6.4	350°C±10°C for 3±0.5 Seconds	±(1%+0.05Ω)

* Rated Continuous Working Voltage (RCW V)= $\sqrt{\text{Power Rating} \times \text{Resistance Value}}$