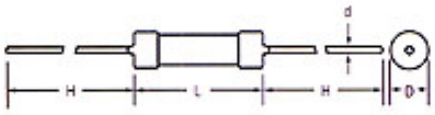
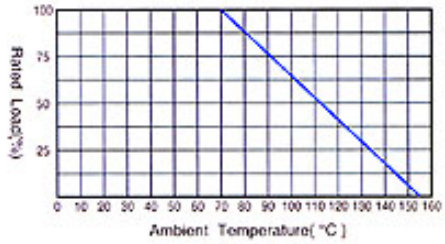
RESISTOR

MF
METAL FILM RESISTOR

DIMENSION



NOTES:
Too low or too high resistance value can be supplied by request.



SPECIFICATIONS

STYLE	MIL STYLE	POWER PATING	MAXIMUX WORKING VOLTAGE	MAXIMUX OVERLOAD VOLTAGE	DIMENSIONS(mm)			
					L	D	H	d±0.02
MF-1/6W	RN-50	1/6W.1/8W	200V	400V	3.2 ± 0.2	1.5 ± 0.2	28 ± 2.0	0.45
MF-1/4	RN-55	1/4W	250V	500V	6.0 ± 0.5	2.3 ± 0.5	28 ± 2.0	0.55
MF-1/2W	RN-60	1/2W	350V	700V	9.0 ± 0.5	3.2 ± 0.5	28 ± 2.0	0.60
MF-1W	RN-65	1W	500V	1000V	11.0 ± 1.0	4.0 ± 0.5	35 ± 3.0	0.80
MF-2W	RN-70	2W	500V	1000V	15.0 ± 1.0	5.0 ± 0.5	35 ± 3.0	0.80

RESISTANCE RANGE

Test Items	Condition	150ppmTC±25ppm	TC±50ppm	TC±100ppm	Remark
MF-1/6W	± 1%	100Ω-100KΩ	10Ω-1MΩ	10Ω-1MΩ	Standard 10Ω-1MΩ
	± 0.5%	100Ω-100KΩ	51.1Ω-200KΩ	51.1Ω-511KΩ	
	± 0.25%	100Ω-100KΩ	51.1Ω-200KΩ	51.1Ω-511KΩ	
	± 0.1%	100Ω-100KΩ			
MF-1/4	± 1%	51.1Ω-511KΩ	10Ω-1MΩ	10Ω-1MΩ	
	± 0.5%	51.1Ω-511KΩ	10Ω-1MΩ	10Ω-1MΩ	
	± 0.25%	100Ω-330KΩ	51.1Ω-330Ω		
	± 0.1%	100Ω-100KΩ			
MF-1/2W	± 1%	51.1Ω-1MΩ	10Ω-2.2MΩ	10Ω-1MΩ	
	± 0.5%	51.1Ω-1MΩ	10Ω-1MΩ	10Ω-1MΩ	
	± 0.25%	100Ω-511KΩ	51.1Ω-511KΩ		
	± 0.1%	100Ω-330KΩ			
MF-1W	± 1%	51.1Ω-1MΩ	10Ω-2.2MΩ	10Ω-1MΩ	
	± 0.5%	51.1Ω-1MΩ	10Ω-1MΩ	10Ω-1MΩ	
	± 0.25%	100Ω-511KΩ	51.1Ω-511KΩ		

	± 0.1%	100Ω-330KΩ			
MF-2W	± 1%	51.1Ω-1MΩ	10Ω-2.2MΩ	10Ω-1MΩ	
	± 0.5%	51.1Ω-1MΩ	10Ω-1MΩ	10Ω-1MΩ	
	± 0.25%	100Ω-511KΩ	51.1Ω-511KΩ		
	± 0.1%	100Ω-330KΩ			

ELECTICAL PERFORMABCE

Test Items	Condition	MIL-R-10509
Operating Temp.	-30℃ ~+155℃	
Short Time Overload	2.5 times of RCWV for 5 secs	± (2%+0.05Ω)
Load life	70℃ at rated power 1.5 hrs on ; 0.5hr off for 100 hrs	± (5%+0.05Ω)
Dielectric Withstanding Voltage	Max Overload Voltage 1 Minute	± (0.5%+0.05Ω)
Temp. Cycling	-30℃ /+85℃ for 5 cycles	± (1%+0.05Ω)
Insulation Resistance	D.C.500V	1000MΩ
Moisture-Proof Load Life	40℃ 95% RH 1.5 hrs on 0.5 hr off for 1000 hrs	± (5%+0.05Ω)
Solder Heat Resistance	350℃ for 3.5 secs	± (2%+0.05Ω)
Intermittence Overload Voltage	At 4 time RCWV 1sec On/25secs off for 10000 cycles	± (5%+0.05Ω)
Total resistance change:(△R%+0.05Ω)		