Carbon Film Fixed Resistor
Axial Leaded



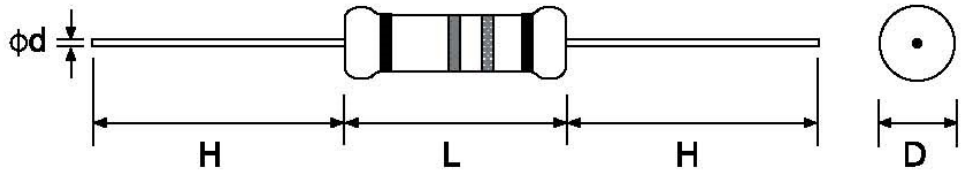
Features

- Automatically insertable
- High quality performance
- Non-Flame type available
- Cost effective and commonly used
- Too low or too high values can be supplied on case to case basis

Performance Specification

Temperature Coefficient	: ≤10Ω	: ±350PPM/°C
	11Ω to 99kΩ	: 0 to -450PPM/°C
	100kΩ to 1MΩ	: 0 to -700PPM/°C
	1.1MΩ to 10MΩ	: 0 to -1500PPM/°C
Short Time Overload	: ±(1% +0.05Ω)Max. with no evidence of mechanical damage	
Insulation Resistance	: Min. 1,000MΩ	
Dielectric Withstanding Voltage	: No evidence of flashover, mechanical damage, arcing or insulation breakdown.	
Terminal Strength	: No evidence of mechanical damage.	
Resistance to Soldering Heat	: ±(1% +0.05Ω)Max. with no evidence of mechanical damage.	
Solderability	: Min. 95% coverage	
Resistance to Solvent	: No deterioration of protective coating and markings	
Temperature Cycling	: ±(1% +0.05Ω) Max. with no evidence of mechanical damage	
Load Life in Humidity	: Normal Type	: <100kΩ : ±(3% +0.05Ω)Max.
		≥100kΩ : ±(5% +0.05Ω)Max.
	Non-Flame Type	: <100kΩ : ±(5% +0.05Ω)Max.
		≥100kΩ : ±(10% +0.05Ω)Max.
Load Life	: Normal Type	: <56kΩ : ±(2% +0.05Ω)Max.
		≥56kΩ : ±(3% +0.05Ω)Max.
	Non-Flame Type	: <100kΩ : ±(5% +0.05Ω)Max.
		≥100kΩ : ±(10% +0.05Ω)Max.

Dimension

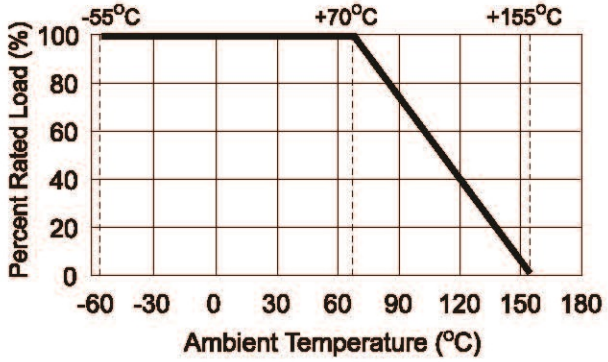


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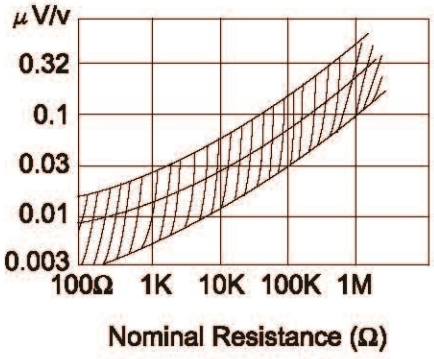
Power Rating at 70°C	Dimension (mm)					Resistance Range	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstanding Voltage
	D Max.	L Max.	H ±3	d ±0.05	PT				
1/8W (0.125W)	1.85	3.5	28	0.45	52	1Ω to 1MΩ	200	400	400
1/4W (0.25W)	2.5	6.8		0.54	52	1Ω to 10MΩ	250	500	500
1/2W (0.5W)	3.5	10		0.54	52		350	700	700
1W	5.5	16		0.7	64		500	1,000	1,000
2W	6.5	17.5		0.75	64		500	1,000	1,000

Note:
Standard beige base colour
Standard grayish-green colour (Non-flammable coating) for CFRFU2 (CFR-50-SS) and CFRF1U (CFR-100-SS)
Ohmic values outside the standard range available on a case to sase basis

Derating Curve



Current Noise



Temp. Coefficient

