

Features:

- General purpose resistor ideal for commercial/industrial applications
- Flame retardant coatings standard
- Flameproof version available as CFF
- Panasert available on selected sizes; contact factory
- Auto sequencing/insertion compatible
- CFM (mini) ideal choice when size constraints apply
- Cut and formed product is available on select sizes; contact factory
- Standard lead wire for CF/CFM is copper plated steel, with 100% tin over plate
- 100% tin plate on copper wire is available as type CFQ/CFQM
- RoHS compliant / lead-free



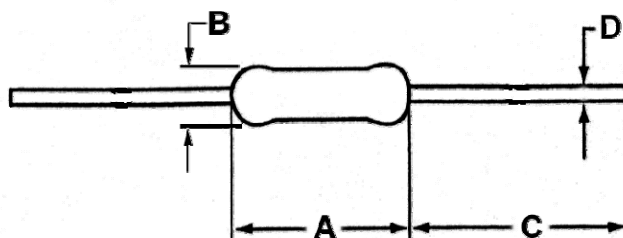
Electrical Specifications

Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage ①	Maximum Overload Voltage	Dielectric Withstanding Voltage	Ohmic Range and Tolerance	
					2%	5%
CF 1/8	0.125W	250V	500V	350V	10Ω - 1MΩ	1Ω - 22MΩ
CF 1/4	0.250W	350V	600V	350V	1Ω - 1MΩ	1Ω - 22MΩ
CF 1/2	0.500W	350V	700V	600V	10Ω - 1MΩ	1Ω - 10MΩ
CF 1	1.000W	500V	1,000V	600V	1Ω - 1MΩ	1Ω - 10MΩ
CF 2	2.000W	500V	1,000V	600V	10Ω - 1MΩ	1Ω - 10MΩ
CFM 1/4	0.250W	250V	500V	350V	10Ω - 1MΩ	1Ω - 10MΩ
CFM 1/2	0.500W	350V	600V	350V	10Ω - 1MΩ	1Ω - 10MΩ
CFM 1	1.000W	600V	1,000V	600V	10Ω - 1MΩ	1Ω - 10MΩ

① Lesser of $\sqrt{PR}$ or maximum working voltage.

How to Order

SEI Type		Code		Nominal Resistance	Tolerance	Packaging						
CF		1/2		100K	5%	R						
Code	Description	Code	Wattage		Tolerance	SEI Types	R	A	T	P	Q	
CF	Standard	1/8	0.125W		2%		Tape & Reel	Bulk	Tape & Box (Ammo Box)	Panasert & Reel	Panasert & Box (Ammo Box)	
CFF	Flameproof	1/4	0.250W		5%		5,000	1,000	5,000	N/A	N/A	
CFM	Mini	1/2	0.500W						2,000			
PCF	Panasert CF 1/4	1	1.000W						1,000			
PCFM	Panasert CF 1/2	2	2.000W				5,000		5,000			
CFQ	Tin plating on copper wire											
CFQM	Tin plating (mini)											



Mechanical Specifications					
Type / Code	A Body Length	B Body Diameter	C Lead Length(Bulk)	D Lead Diameter	Units
CF 1/8	0.13 ± 0.01	0.07 ± 0.01	1.10 ± 0.12	0.018 ± 0.003	inches
	3.3 ± 0.3	1.7 ± 0.3	28 ± 3	0.45 ± 0.08	mm
CF 1/4	0.26 ± 0.02	0.09 ± 0.01	1.10 ± 0.12	0.022 ± 0.003	inches
	6.5 ± 0.05	2.3 ± 0.3	28 ± 3	0.55 ± 0.08	mm
CF 1/2	0.33 ± 0.04	0.11 ± 0.02	1.18 ± 0.12	0.022 ± 0.002	inches
	8.5 ± 1	2.7 ± 0.5	30.0 ± 3	0.56 ± 0.05	mm
CF 1	0.43 ± 0.04	0.18 ± 0.02	1.18 ± 0.12	0.028 ± 0.004	inches
	11.0 ± 1	4.5 ± 0.5	30.0 ± 3	0.70 ± 0.1	mm
CF 2	0.59 ± 0.04	0.20 ± 0.02	1.18 ± 0.12	0.031 ± 0.004	inches
	15 ± 1	5 ± 0.5	30 ± 3	0.8 ± 0.1	mm
CFM 1/4	0.13 ± 0.01	0.07 ± 0.01	1.10 ± 0.12	0.018 ± 0.003	inches
	3.3 ± 0.3	1.7 ± 0.3	28 ± 3	0.45 ± 0.08	mm
CFM 1/2	0.26 ± 0.04	0.09 ± 0.01	1.10 ± 0.12	0.022 ± 0.003	inches
	6.5 ± 1	2.3 ± 0.3	28 ± 3	0.55 ± 0.08	mm
CFM 1	0.35 ± 0.02	0.14 ± 0.02	1.10 ± 0.12	0.024 ± 0.002	inches
	9.0 ± 0.5	3.5 ± 0.5	28 ± 3	0.6 ± 0.05	mm

Performance Characteristics		
Test	Standard / Method	Test Results
Short Time Overload	EIA-RS-172-B 3.2.6	± 0.5%
Resistance to Solder Heat	MIL-STD 202 Method 210	± 0.5%
Dielectric Withstanding Voltage	JIS C 5202 5.6	± 0.5%
Load Life	MIL-STD 202 Method 108	± 1%
Terminal Strength	MIL-STD 202 Method 211	± 0.2%
Moisture Resistance	MIL-STD 202 Method 106	± 0.5%

Operating Temperature Range: -55°C to +155°C