

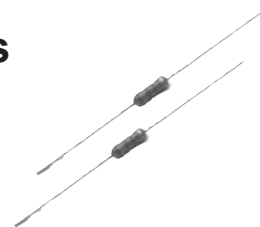


SPEER ELECTRONICS, INC.

Leaded Resistors

CF1/4 & MF1/4 Series Specifications

- Carbon or Metal film
- Wide range of value in stock
- RoHS compliant



Metal Film	Carbon Film
Tolerance: 1%	Tolerance: 5%
Value Range: 10Ω - 1MΩ	Value Range: 00Ω - 22MΩ
Power Rating: 1/4 W	Power Rating: 1/4 W
Series: MF1/4D	Series: CF1/4

Part Number Determination

CF1/4C103J							
MF1/4DC1002F							
CF	1/4		C			103	J
MF	1/4	D	C			1002	F
SERIES	POWER RATING	TEMPERATURE COEFFICIENT	TERMINATION	TAPING & FORMING	PACKAGING	RESISTANCE	TOLERANCE
CF=Carbon Film Leaded Resistor	For CF: S1/4=1/4W 1/4=1/4W 1/2=1/2W S1/2=1/2W	For CF: Blank	L=SnPb C=SnCu	Blank=Straight leads, Bulk T52-Straight leads, 52mm end-to end, Tape	Blank=Bulk A=Ammo R=Reel	For CF: 2 Significant digits + 1 multiplier For MF: 3 Significant digits + 1 multiplier	B=±0.1% C=±0.25% D=±0.5% F=±1% G=±2% J=±5%
MF=Precision Metal Film Leaded Resistor	For MF: 1/4=1/4W 1/2=1/2W 1=1W	For MF: E=±25ppm/°C C=±50ppm/°C D=±100ppm/°C L=±200ppm/°C					

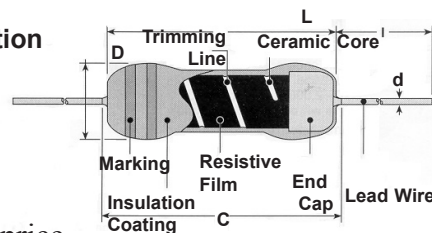
Electrical Characteristics

Series	Power Rating @ 70°C	Minimum Dielectric Withstanding Voltage	T.C.R. (ppm/°C)	Resistance Range E-24	Resistance Range E-96	Absolute Maximum Working Voltage	Absolute Maximum Overload Voltage
CF1/4	1/4W	500V	+350 to -450 0 to -700 0 to -1000 0 to -1300	1.0 - 100K 110K - 330K 360K - 1M 1.1M - 5.1M		300V	600V
MF1/4			±100		10-1M	250V	500V

Package Dimensions (in/mm)

Series	L	C (max.)	D	d (nom.)	l
CF1/4	.240±0.2 6.1±0.5	.280 7.1	0.91±0.12 2.3±0.3	.024 0.6	.787 min 20.0 min
MF1/4	.374 9.5	.437 11.1	.138±0.16 3.5±0.4		1.18±.118 30.0±3.0

Construction



See price list booklet for current price

Leaded Resistors

KOA CF1/4 Series: 000Ω (Z25YC BULK) through 22MΩ (CF1/4C226J BULK)

KOA MF1/4 Series: 10.0Ω (MF1/4DC10R0F TAPE) through 1MΩ (MF1/4DC1004F TAPE)

Engineering Design Kits Available

See Garrett Kit Catalog