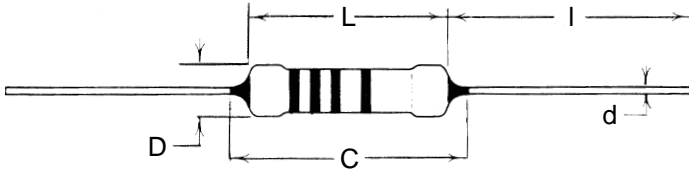


CARBON FILM RESISTOR



- Flameproof coating is available - Specify "CFP"
- Suitable for automatic machine insertion
- Green or Beige Color Coating

DIMENSIONS (in/mm)

TYPE	L(ref)	C(max)	D	d	l
CF 1/4*	0.256	0.280	0.089±0.01	0.024±0.002	1.18±0.12
CFP 1/4*	6.5	7.1	2.25±0.25	0.60±0.05	30.0±3.
CF 1/2*	0.335	0.365	0.118±0.02	0.028±0.002	↓
CFP 1/2*	8.5	9.27	3.0±0.50	0.70±0.05	

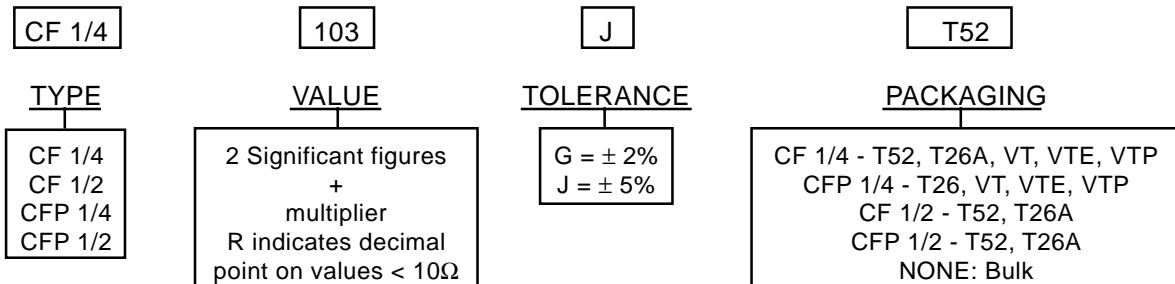
*20mm minimum when ordered in poly.

RATINGS

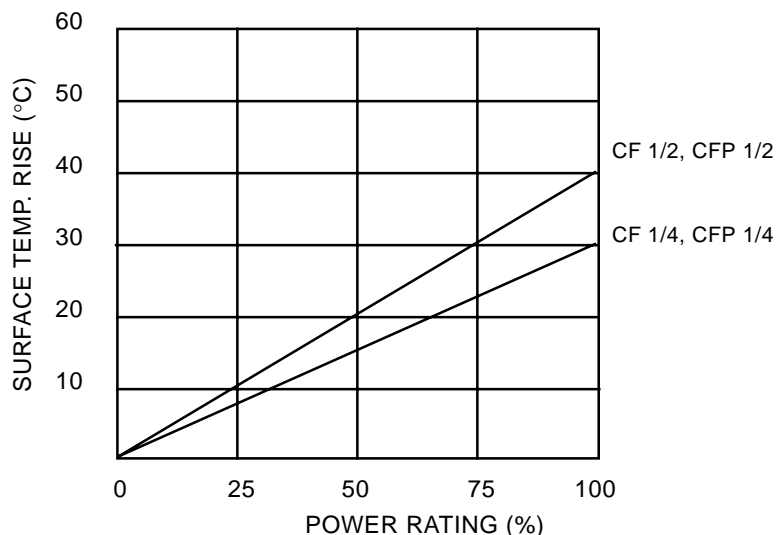
TYPE	POWER RATING @ 70°C	BODY COLOR	MAX WORKING VOLTAGE	MAX OVERLOAD VOLTAGE	DWV (min)	RATED AMBIENT TEMP.	OPERATING TEMP. RANGE	RESISTANCE RANGE (Ω)	
								G(±2%) E-24	J(±5%) E-24
CF 1/4	250 mW	Beige	250V	500 V	500 V AC	70°C	-55 - 155°C	10 Ω - 5.1 MΩ	1.0 Ω - 22. MΩ
CFP 1/4		Green		400 V				10 Ω - 1.5 MΩ	2.2 Ω - 1.5 MΩ
CF 1/2	500 mW	Beige	350 V	700 V	700 V AC	↓	↓	10 Ω - 1 MΩ	1.0 Ω - 22 MΩ
CFP 1/2		Green		600 V				10Ω - 1.5 MΩ	2.2 Ω - 1.5 MΩ

LEADED COMPONENTS

ORDERING & SPECIFYING INFORMATION



PERFORMANCE CHARACTERISTICS



PARAMETER	CF/CFP 1/4	CF/CFP 1/2	TEST METHOD
TEMPERATURE COEFFICIENT (ppm / °C) max			
+ 350 to -450	≤ 10 K	≤ 22 KΩ	
-600	11 K - 150 KΩ	24K - 470 KΩ	
-1000	160 K - 2.2 MΩ	510 K - 2.2 MΩ	
-1500	2.4 M - 6.8 MΩ	2.4 M - 10 MΩ	
-2500	7.5 M - 15 MΩ	11 M - 16 MΩ	
-3200	16 M - 22 MΩ	18 M - 22 MΩ	
Short-time Overload	±1%	±1%	2.5 x RCWV, 5 seconds
Resistance to Solder Heat	±1%	±1%	MIL-STD-202, Method 210
Moisture Resistance	±5%	±5%	MIL-STD-202, Method 106
Load Life	±3%	±3%	MIL-STD-202, Method 108 70°C, 1000 hours
Temperature Cycling	±1%		-55°C, 25°C, 125°C, 25°C: 5 cycles
Vibration	±1%	±1%	MIL-STD-202, Method 214
Terminal Strength	5 # min	5 # min	MIL-STD-202, Method 211
Current Noise	0.02 - 0.6 μv/v	0.02 - 1.00 μv/v	MIL-STD-202, Method 308
Voltage Coefficient	<5 ppm/v	<5 ppm/v	MIL-STD-202, Method 301

LEADED COMPONENTS