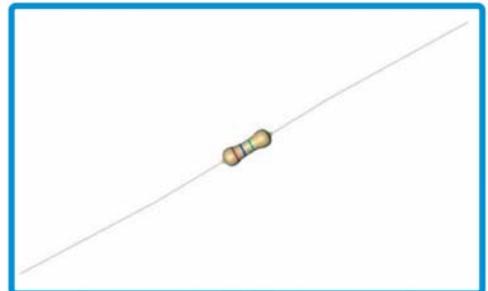
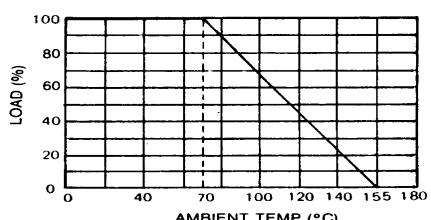


**FEATURES**

- Economically priced for commercial and industrial applications
- Wide selection of power ratings and resistance values
- EIA color coding
- Resistance to industrial solvent
- Standard tape & reel package

**PART NUMBERING SYSTEMS**

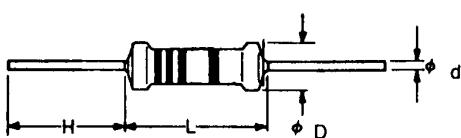
	<u>CF</u>	<u>25</u>	<u>103</u>	<u>J</u>	<u>TR</u>
Meritek Series					
Power Rating					
CODE	12	25	50	100	200
	0.125W	0.25W	0.5W	1W	2W
Resistance					
First 2 digits are significant					
3 rd digit is multiplier					
"R" indicates decimal for values below 10 ohm					
Tolerance					
Code	G	J	K		
	±2%	±5%	±10%		
Tape & Reel					

DERATING CURVE**RATING AND AVAILABILITY**

Type	CF12	CF25S	CF25	CF50S	CF50	CF100S	CF100	CF200S	CF200
Power rating @ 70°C	0.125W	0.25W	0.25W	0.5W	0.5W	1W	1W	2W	2W
Max working voltage	150V	200V	250V	300V	280V	400V	450V	500V	500V
Max overload voltage	300V	400V	500V	500V	500V	800V	1000V	1000V	1000V
Dielectric withstanding voltage	300V	400V	500V	500V	500V	800V	1000V	1000V	1000V

DIMENSIONS

TYPE	BODY		LEADWIRE	
	(L)	(D)	(H)	(d±0.03)
CF12	3.3 ±0.3	1.8 ±0.3	29±2	0.45
CF25S	3.3 ±0.3	1.8 ±0.3	29±2	0.45
CF25	6.3 ±0.5	2.3 ±0.3	28±2	0.55
CF50S	6.3 ±0.5	2.3 ±0.3	28±2	0.55
CF50	9.0 ±0.5	3.2 ±0.5	26±2	0.65
CF100S	9.0 ±0.5	3.2 ±0.5	26±2	0.65
CF100	11.5 ±1.0	4.5 ±0.5	35±2	0.78
CF200S	11.5 ±1.0	4.5 ±0.5	35±2	0.78
CF200	15.5 ±1.0	5.0 ±0.5	32±2	0.78

DIMENSIONS**REQUIREMENT**

Operating Temp Range		-55 to 155°C (derated at 70°C/see chart)	
Temperature Cpefficient (ppm/°C)	ppm/°C	CF100S and <1W	≥1W
Under 100KΩ	±350ppm	+350ppm~500ppm	
100KΩ - 1MΩ	0~500ppm	0~700ppm	
1MΩ - 4M7Ω	0~1000ppm	0~1500ppm	
Noise(uV/V)	uV/V	0.125W	0.25W and over
	0.1		1 ohm-10K ohm
	0.3	1 ohm-10K ohm	11K ohm-91K ohm
	0.5	11K ohm-91K ohm	100K ohm-1M ohm
	1.0	100K ohm	1.1M ohm-10M ohm
Short Time Overload		ΔR ≤ ±(0.75% + 0.05 ohm)	
Temperature Cycling		ΔR ≤ ±(0.5% + 0.05 ohm)	
Soldering Effect		ΔR ≤ ±(1% + 0.05 ohm)	
Vibration		ΔR ≤ ±(0.5% + 0.05 ohm)	
Moisture Resistance	R > 100K	ΔR ≤ ±5%	
	R ≤ 100K	ΔR ≤ ±(3% + 0.05 ohm)	
Load Life		±(3%+0.05 ohm)	

PERFORMANCE