

FCF RESISTORS

- **GENERAL INFORMATION**

Type : FCF, Flameproof.
Dielectric : Ceramic Core.
Construction : Pure Carbon Film on Ceramic Core.
Coating : Flameproof Laquer.
Contact : Non-Inductive Type.
Leads : Tinned Pure Copper.

- **TECHNICAL DATA**

Resistance Range/Tolerance : 10 ... 470K E 48 series, ± 2 %.
Low Inductance : .05uH compared with .8uH for ceramic wire wound.
Insulation Resistance : greater than 10,000 MegOhms @ 20 °C.
Temperature Range : -55 °C to +155 °C.
Temperature Coefficient : ± 200 ppm/ °C. 10ohm to 100Kohm & -500 ppm/ °C. above
Max. Working Voltage : 500 Vac for 1 min.
Incombustibility : Complete Flameproof Construction UL1412
Short Term Over Load : ± 1 % 2.5 times RCWV for 5 sec.
Rated Load : ± 1 % 2 W for 30 min.
Load Life : ± 3 % 70 °C on (1.5hrs) - off (0.5hrs) cycle 1000 hrs.
Moisture Resistance : ± 3 % 40 °C 90%RH on(1.5hrs) - off(0.5hrs) cycle 1000 hrs.
Leads Diameter : 0.75 mm .

- **FEATURE**

Complete Flameproof Construction UL1412.
Maximum Signal Precision and Dynamic.
Resistant to Humidity and Shock.
Excellent High Temperature Stability .
High Overload Capacity.
Excellent Long Term Electrical and Mechanical Stability.
High Power-to-Size Ratio.
Coating and Marking Resist Trichloroethylene, Freon and Other Cleaning Agents.

- **ELECTRICAL PERFORMANCE**

Non-Inductive.
Very Low Noise Figure.
Very Small Linear Temperature Coefficient.

FCF Dimensions (mm)

P/N	Resistance/Watt	D x L
FCF200G10RT	10 Ohms 2 W	5 x 15
FCF200G12RT	12 Ohms 2 W	5 x 15
FCF200G24RT	24 Ohms 2 W	5 x 15
FCF200G27RT	27 Ohms 2 W	5 x 15
FCF200G47RT	47 Ohms 2 W	5 x 15
FCF200G101T	100 Ohms 2 W	5 x 15
FCF200G121T	120 Ohms 2 W	5 x 15
FCF200G181T	180 Ohms 2 W	5 x 15
FCF200G201T	200 Ohms 2 W	5 x 15
FCF200G271T	270 Ohms 2 W	5 x 15
FCF200G471T	470 Ohms 2 W	5 x 15
FCF200G102T	1K0 Ohms 2 W	5 x 15
FCF200G122T	1K2 Ohms 2 W	5 x 15
FCF200G222T	2K2 Ohms 2 W	5 x 15
FCF200G272T	2K7 Ohms 2 W	5 x 15
FCF200G472T	4K7 Ohms 2 W	5 x 15
FCF200G682T	6K8 Ohms 2 W	5 x 15
FCF200G103T	10K Ohms 2 W	5 x 15
FCF200G223T	22K Ohms 2 W	5 x 15
FCF200G243T	24K Ohms 2 W	5 x 15
FCF200G473T	47K Ohms 2 W	5 x 15
FCF200G104T	100K Ohms 2 W	5 x 15
FCF200G274T	270K Ohms 2 W	5 x 15
FCF200G474T	470K Ohms 2 W	5 x 15
