



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



High Power Resistors

Type FC Series

Type FC Series



This small size pluggable, high power resistor is a popular product in the Tyco CGS range. The resistors are wirewound on to an inert core of glass fibre. The leads and end cap assemblies are firmly crimped onto the core and winding. A particularly resilient silicone cement coating provides an insulating, humidity proof and flameproof seal. They are available in a choice of height profiles and the FCX type is supplied with axial leads. The FC Series is widely used in monitors, power supplies, white goods and brown goods where a low cost, high power resistor is required.

Key Features

- Up to 8 Watts at 70°C
- Choice of Height Profiles
- Flame Retardant
- Proven Reliability
- Resistant to PCB Solvents
- Mechanised Assembly
- Widely Available via Distribution

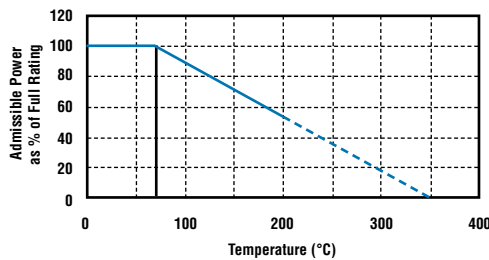
Characteristics - Electrical

	FC2	FC4	FC6	FC8	FC10
Watts at 70°C:	2.0	4.0	5.0	6.5	8.0
TCR400 - 50ppm°C:	R20-R30	R30-R39	R47-R56	R68-R91	R91-1R2
TCR+40/80ppm°C:	R33-47R	R47-82R	R68-120R	1R0-220R	1R3-250R
TCR-20ppm°C:	56R-3K9	100R-5K6	150R-15K	270R-20K	270R-22K

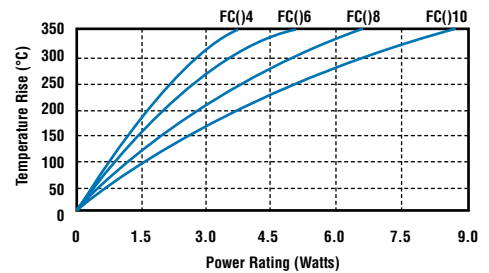
Characteristics - Environmental

Resistance Tolerance:	± 5% ± 10% (<1R0 = ± 10%)
Shelf Life:	ΔR 2% maximum after 3 years
Load Life:	ΔR 3% maximum after 1000 hours, rated power
Overload:	ΔR 2% maximum after 10 x rated power 5 seconds
Climatic Category:	55/200/56 ΔR 3% maximum
Maximum Continuous Operating Voltage:	√(Power x Resistance) or AC RMS
Flammability:	BS415 Clause 20:1
Marking:	Resistance Value - Resistance Tolerance - Lot no.

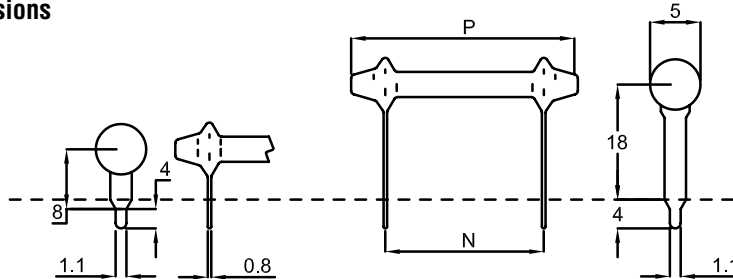
Power Derating Curve



Temperature Curve



Dimensions



Style	N ±0.2	P (Max.)	Nom. Weight (g)
FC2	10.2	19.2	1.2
FC4	15.2	24.2	1.3
FC6	25.4	34.4	1.6
FC8	35.6	44.6	1.8
FC10	45.7	54.7	2.1

How to Order

FC	A	4	1K0	J
Common Part	Resistor Package	Power Rating @ 70°C	Resistance Value	Tolerance
FC - Fibre Core Resistor	A - Low Profile Standoff Radial B - High Profile Standoff Radial X - Axial Leded Resistor	2 - 2 Watts 4 - 4 Watts 6 - 5 Watts 8 - 6.5 Watts 10 - 8 Watts	0.1 Ohm (100 mille Ohms) R10 1.0 Ohm (1000 mille ohms) 1R0 1K Ohm (1000 Ohms) 1K0	J - 5% K - 10% below 1R0