

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

High Power Resistors



Type FC Series

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

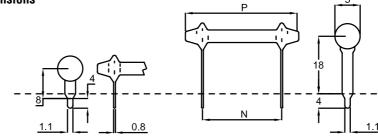
Resistance Tolerance:	± 5% ± 10% (<1R0 = ± 10%)		
Shelf Life:	ΔR 2% maximum after 3 years		
Load Life:	ΔR 3% maximum after 1000 hours, rated power		
Overload:	ΔR 2% maximum after 10 x rated power 5 seconds		
Climatic Category:	55/200/56 ΔR 3% maximum		
Maximum Continuous Operating Voltage:	$\sqrt{\text{(Power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

Power Derating Curve

Temperature Curve

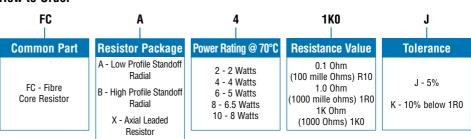


Dimensions



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



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