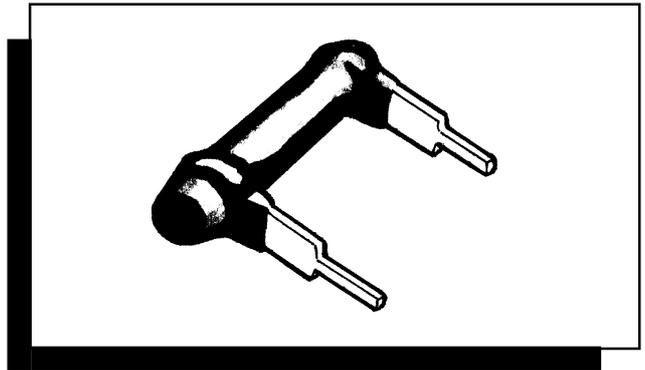


MEGGITT CGS

HIGH VOLTAGE RESISTORS
HIGH VALUE RESISTORS
HIGH POWER RESISTORS
ALUMINIUM CLAD RESISTORS
CURRENT SENSE RESISTORS

High Power Resistor

TYPE FC SERIES



This small size pluggable, high power resistor is a popular product in the Meggitt 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 can be 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.

MEGGITT CGS KEY FEATURES

- UP TO 8 WATTS AT 70°C
- LOW COST
- CHOICE OF HEIGHT PROFILES
- FLAME RETARDANT
- PROVEN RELIABILITY
- RESISTANT TO PCB SOLVENTS
- MECHANISED ASSEMBLY
- WIDELY AVAILABLE VIA DISTRIBUTION

SPECIFICATION

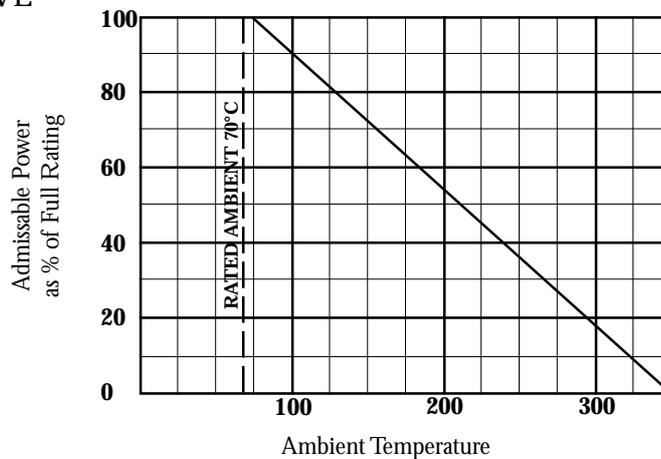
TYPE FC SERIES

ELECTRICAL

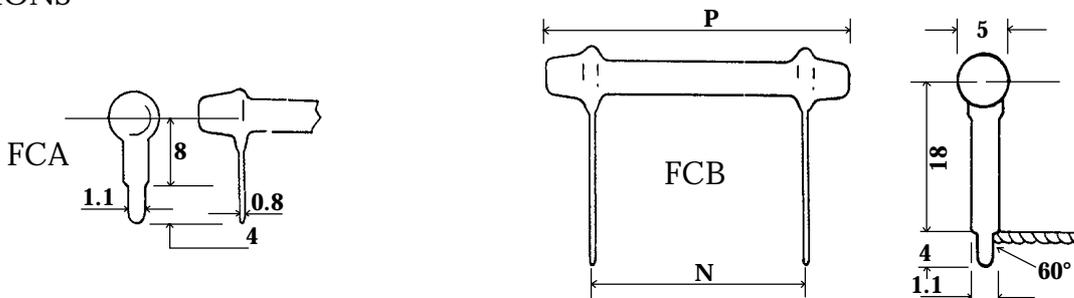
Type	Watts at 70°C	TCR 400 ± 50ppm°C	TCR 40°/-80ppm°C	TCR ±20ppm°C	Res. value on request
FC () 2	2W	R20-R24	R27-56R	62R-3K9	7K5
FC () 4	4W	R30-R39	R47-82R	100R-5K6	11K
FC () 6	5W	R47-R62	R68-150R	180R-15K	20K
FC () 8	6.5W	R68-R91	R10-220R	270R-20K	27K
FC () 10	8W	R91-1R2	1R3-270R	330R-22K	30K

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: $\sqrt{\text{Power} \times \text{Resistance}}$ or AC RMS
 Flammability: BS415 Clause 20:1
 Marking: Resistance Value - Resistance Tolerance

POWER DERATING CURVE



DIMENSIONS



	FC() 2	FC() 4	FC() 6	FC() 8	FC() 10
N ± 0.2mm	10.2	15.2	25.4	35.6	45.7
P (max.)	19.2	24.2	34.4	44.6	54.7
Nom. Weight (g)	1.2	1.3	1.6	1.8	2.1

All Dimensions are Nominal and in mm Do Not Scale

HOW TO ORDER

FC	A	4	1K0	J
COMMON PART	RESISTOR PACKAGE	POWER RATING AT 70°C	RESISTANCE VALUE	TOLERANCE
FC - Fibre core radial resistor	A - Low Profile Standoff B - High Profile Standoff X - Axial Leaded 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 1 K Ohm (1000 Ohms) 1K0	J - 5% K - 10% below 1R0



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