

【Thick Film High Voltage Resistors- FCP Series】



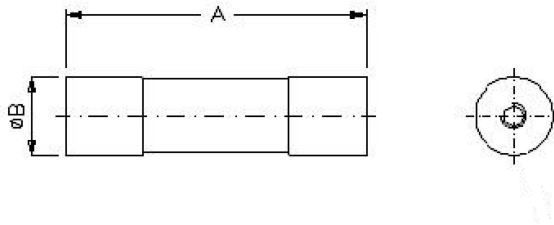
■ Features

- Advanced thick film technology, Non Inductive Design
 - Very tight tolerance down to $\pm 0.1\% \sim \pm 10\%$,
Maximum continuous Operating Voltage to 48KV
 - Extremely low TCR down to $\pm 10\text{PPM}/^\circ\text{C} \sim \pm 80\text{PPM}/^\circ\text{C}$
 - Wide resistance range 200ohm ~ 1G ohm
- Reference Standard IEC60115-1:2001(GB/T5729-2003) MIL-STD-202

■ Applications

- Transformer, Testing, Measurement Equipment
- Medical Equipment, Automatic Equipment Controller
- Converters, Continuous Operation Requirements

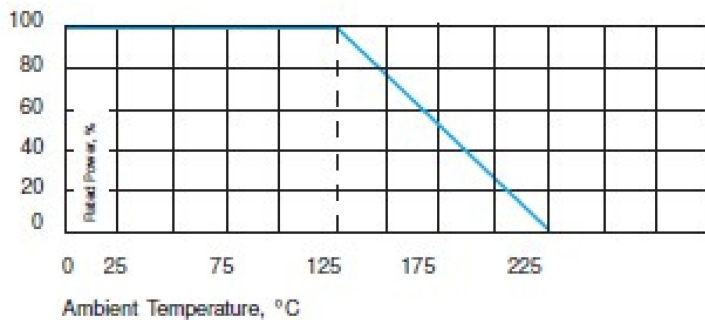
■ Construction



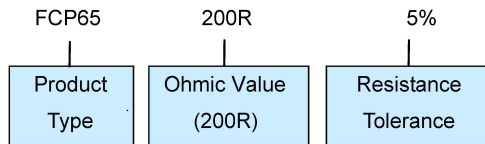
■ Dimensions

Type	Wattage (W)	Max. Voltage (KV)	Resistance ranges (Ω)	Dimensions in millimeters (inches)	
				A ($\pm 0.50/\pm 0.02$)	B ($\pm 0.50/\pm 0.02$)
FCP65	35	50	200-1G	65.00/2.56	16.00/0.63
FCP80	35	50	200-1G	80.00/3.15	16.00/0.63
FCP160	50	65	200-1G	155.00/6.10	17.00/0.67
FCP290	150	75	200-1G	290.00/11.42	27.00/1.06
FCP490	400	100	200-1G	490.00/19.29	30.00/1.18

■ Derating Curve



■ Part Numbering



■ Technical and standard electrical specifications

Resistance ranges: 200Ω ~ 1GΩ

Resistance Tolerance: ±0.5% ~ ±10%

Temperature Coefficient: ±25PPM to ±80PPM/(25degree to 105degree.) On special request

Power Rating: 35W to 400W at 70°C

Max. Operating Temperature: 225.500VDC,

Lead Material: O. F. H. C. Copper nickel plated

Max. Torque for Contacts: 3Nm; Max. M4 screws

■ Reference Standards: IEC60115-1:2001(GB/T5729-2003)

MIL-STD-202/MIL-R-39009D

■ Storage Temperature: 25±3°C; Humidity < 80%RH