

【Flat High Voltage Resistors- FDP Series】



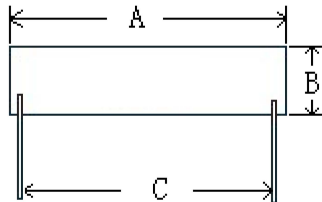
■ Features

- Advanced thick film technology, Non Inductive Design
 - Very tight tolerance down to $\pm 0.5\% \sim \pm 10\%$,
Maximum continuous Operating Voltage to 50KV
 - Extremely low TCR down to $\pm 25\text{PPM}/^\circ\text{C} \sim \pm 80\text{PPM}/^\circ\text{C}$
 - 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

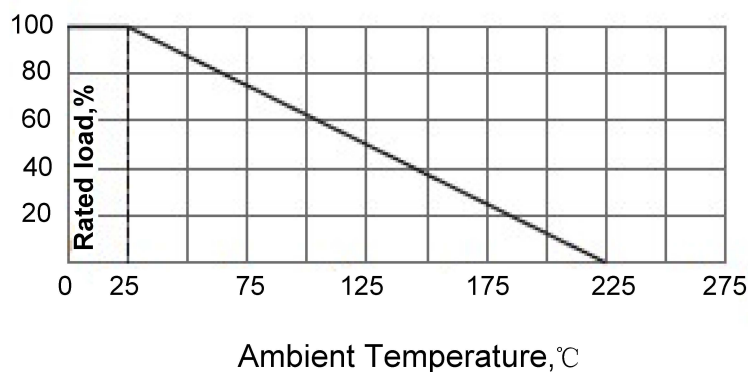
■ Construction



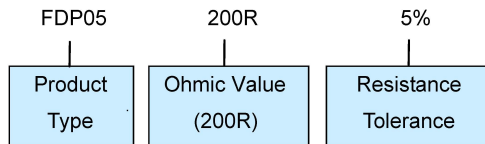
■ Dimensions

Type	Wattage (W)	Max.Continuous Voltage (V)	Dimensions in millimeters (inches)		
			A ($\pm 0.50/\pm 0.02$)	B ($\pm 0.50/\pm 0.02$)	C ($\pm 0.50/\pm 0.02$)
FDP05	0.50	4,000	12.90/0.51	3.40/0.13	10.20/0.40
FDP07	0.65	6,000	17.15/0.68	3.40/0.13	15.24/0.60
FDP12	1.20	3,500	20.00/0.784	5.08/0.20	17.78/0.70
FDP16	1.60	8,000	25.60/1.01	5.30/0.21	22.90/0.90
FDP30	3.00	12,000	38.30/1.51	6.60/0.26	35.50/1.40
FDP40	4.00	15,000	51.00/2.01	6.60/0.26	48.20/1.90
FDP50	5.00	22,000	51.00/2.01	12.90/0.51	48.20/1.90
FDP70	35.00	50,000	70.00/2.76	40.00/1.57	57.50/2.26

■ Derating Curve



■ Part Numbering



■ Technical and standard electrical specifications

Resistance ranges: 200Ω ~ 1GΩ

Resistance Tolerance: ±0.5% ~ ±10%

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

Power Rating: 0.5W to 35W

Max. Operating Temperature.225.500VDC,

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

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

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

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