

【High Pulse Overload Resistors- FEP100 Series】



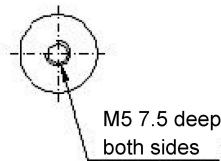
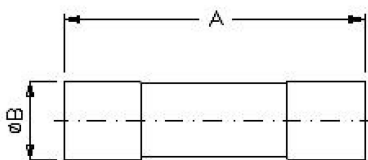
■ Features

- Thick film & Non-inductive design, ROHS compliant
- High voltage and pulse loading, easy load connecting with M4 or M5 screws
- Extremely low TCR down to 250PPM with high power
- High power rating up to 40 Watts at 85 degree.

■ Applications

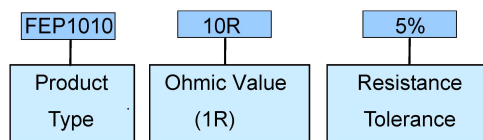
- Strong random pulse energy discharge resistors
- Frequency conversion
- motor braking resistors, etc

■ Construction

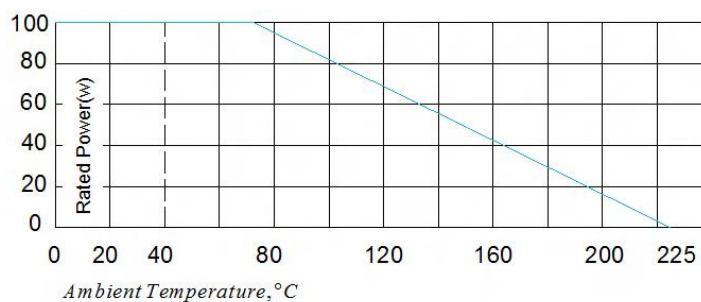


TYPE	POWER 70°C(W)	Time Constant = 0.5s	SIZE:mm(inch)	
			A ±1.0 / ±0.04	Φ B ±0.5 / ±0.02
FEP1010	100	E=10000J each time	100/3.94	36.0/1.42
FEP1050	150	E=18000J each time	299.0/11.77	39.5/1.55

■ Part Numbering



■ Derating Curve



■ Technical and standard electrical specifications

Resistance ranges: $10\ \Omega \sim 1k\ \Omega$
Resistance Tolerance: $\pm 5\% \sim \pm 10\%$
Temperature Coefficient: $\pm 250\text{PPM}/^\circ\text{C}$ ($25^\circ\text{C} \sim 105^\circ\text{C}$) On special request
Power Rating: FEP6015 30W and FEP6220 40W at 70°C
Maximum Working Voltage: 500VDC, On special request
Heat Capacity: FEP6015 0.031KJ/°C FEP6220 0.063KJ/°C
Max. Torque for Contacts: 3Nm; Max. M4 screws

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

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

■ Storage Temperature: $25 \pm 3^\circ\text{C}$; Humidity < 80%RH