

# 【High Pulse Overload Resistors- FEP60 Series】



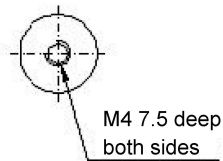
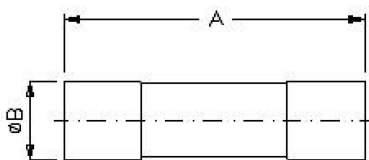
## ■ Features

- 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

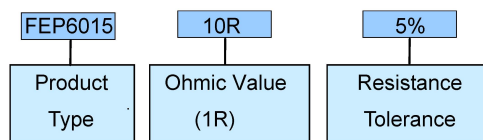
- Strong random pulse energy discharge resistors
- Frequency conversion
- motor braking resistors, etc

## ■ Construction

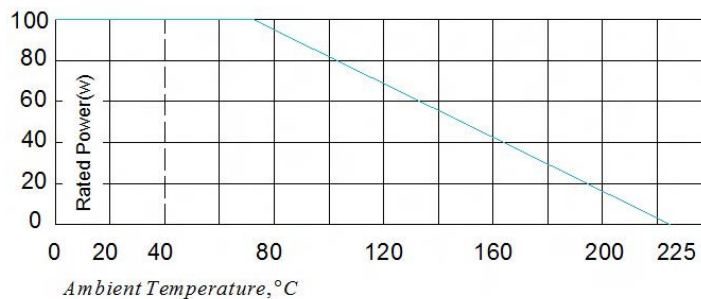


TYPE	POWER 70°C(W)	Time Constant = 0.5s	SIZE:mm(inch)	
			A ±0.5 / ±0.02	Φ B ±0.5 / ±0.02
FEP6015	30	E=2000J each time	62.0/2.44	16.0/0.63
FEP6220	40	E=2000J each time	62.0/2.44	21.0/0.83

## ■ Part Numbering



## ■ Derating Curve



## ■ Technical and standard electrical specifications

Resistance ranges:  $10\ \Omega \sim 1\text{k}\ \Omega$   
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  $70^\circ\text{C}$   
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