



Series ESP 60/20

The ESP thick-film resistor series is designed for PREcharge applications where space is limited. Its shape is similar to conventional fuses. It can be mounted using screws or fuse holders.

Features

- Robust power resistor without heat sink requirement
- Shape of a fuse for easy integration
- Screw or snap-in in connection



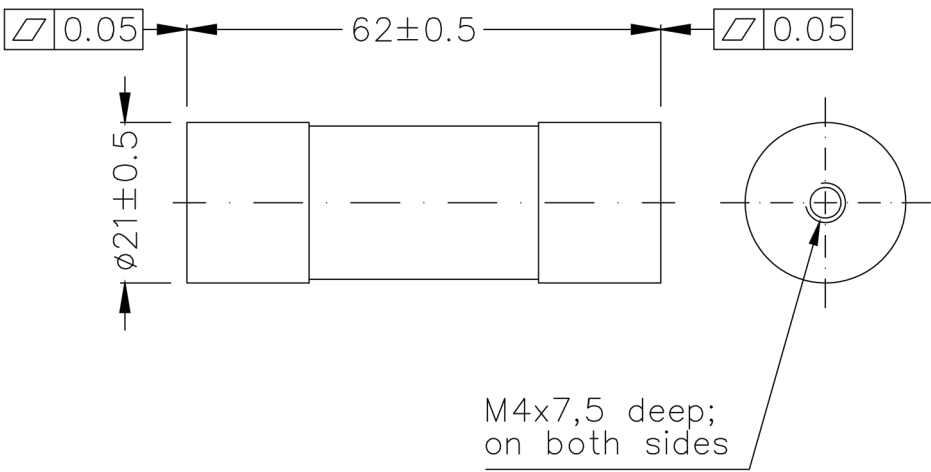
Technical Specifications

Resistance value	1 Ω to 1 k Ω
Resistance tolerance	$\pm 5\%$ to $\pm 10\%$
Temperature coefficient	± 250 ppm/ $^{\circ}\text{C}$ (referenced to 25 $^{\circ}\text{C}$, dR taken at ~ 85 $^{\circ}\text{C}$)
Operating voltage	1000 V (higher on request)
Mounting	M4 screws, max. torque 3 Nm (static)

Typical Pulse Load (initial resistor temperatur ≤ 85 $^{\circ}\text{C}$)

- 440 J for $\tau = 0.1$ s
- 750 J for $\tau = 0.2$ s
- 1700 J for $\tau = 0.5$ s
- 2300 J for $\tau = 0.7$ s
- 3300 J for $\tau = 1$ s
- 4500 J for $\tau = 1.4$ s

Dimensions in mm





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