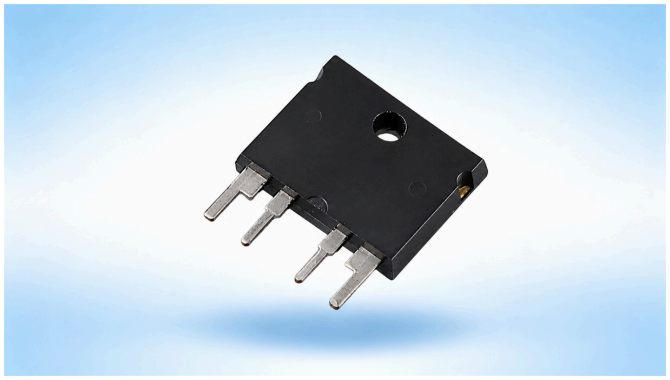
PBA Series Precision Resistor

Technical Features



• Alloy-foil, non-inductive design

• Complies with ROHS requirements

• High pulse capability

• Rated power 2J 10ms

• Excellent long-term stability

• Suitable for power modules, frequency conversion and switching-module power supplies

Applications

• Widely used in the instrument transformer industry

• Motor drives and control circuits

• Medical equipment (X-rays, etc.)

• High-voltage power supplies and new energy applications

Ordering Guide

Model: PBA

Resistance: 10mR

Tolerance: 0.1%

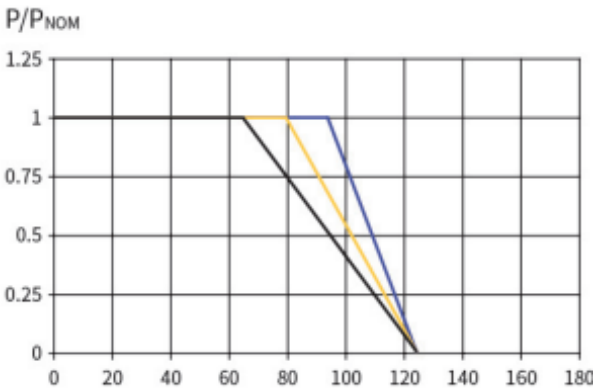
Temperature coefficient: 5PPM

Special specifications can be customized by agreement

Applicable Standards

IEC60115-1:2001(GB/T5729-2003), MIL-STD-202

Power Derating Curve

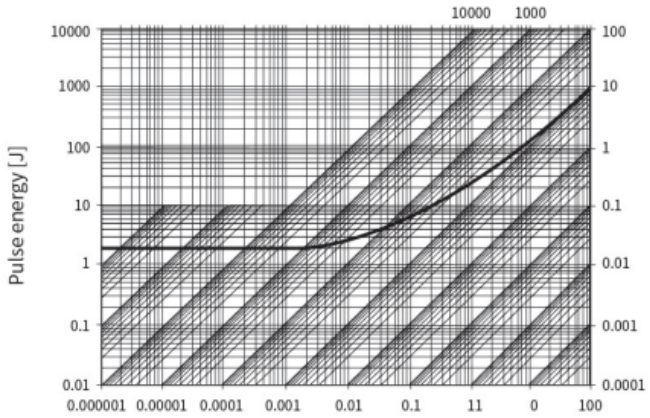


Purple: with heat sink R > 2mΩ;P=10W

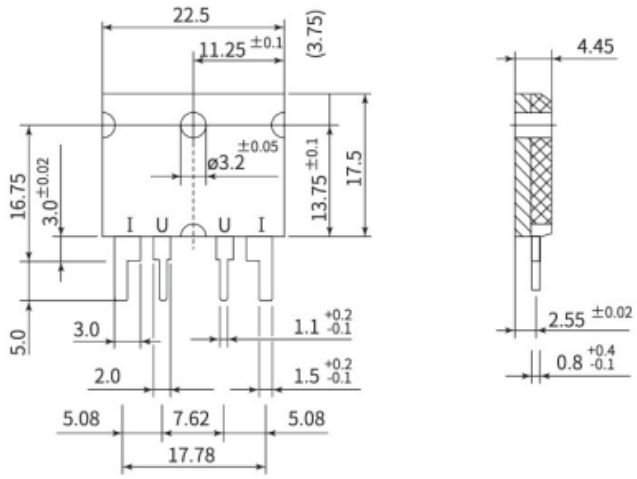
Yellow: without heat sink P=3W

Black: with heat sink R < 2mΩ;P=10W

Pulse Curve



Dimensions



Main Technical Parameters

Resistance range	0.5mΩ-1Ω
Resistance tolerance	±0.5%,±1%,±5%
Temperature coefficient	±30PPM/°C (20°C ~ 60°C);>R010; other requirements by agreement
Inductance (100mΩ)	<10nH
Operating temperature	-55°C ~ +125°C
Power endurance	Rated power at 70°C for 1000 hours
Moisture resistance	MIL-Std-202 Method 107, Condition C, △ R ≤ ±(0.2%R+0.001Ω)
Rated power	Customized according to requirements