HPF250

Non-Inductive High Power Thick Film Resistors

These are 250W, Chassis mounted, non-inductive, high power resistors. The small and thin size is ideal for high density, compact instruments. Theses models exhibit superior vibration characteristics. The thermal resistance between the element and heat sink is excellent. Superior dielectric strength is achieved by using a 96% aluminum substrate as an insulator between the element and metal base. Applications indude: Snubber and attenuator resistors.

GENERAL SPECIFICATIONS

Model	Power Rating on heat sink	Resistance Range[Ω]	Tolerance [%]	Weight
HPF250	250W[see note]	5 ~ 1kΩ	K[±10]	312g

*Note : The base of this resistor should be kept below 100℃

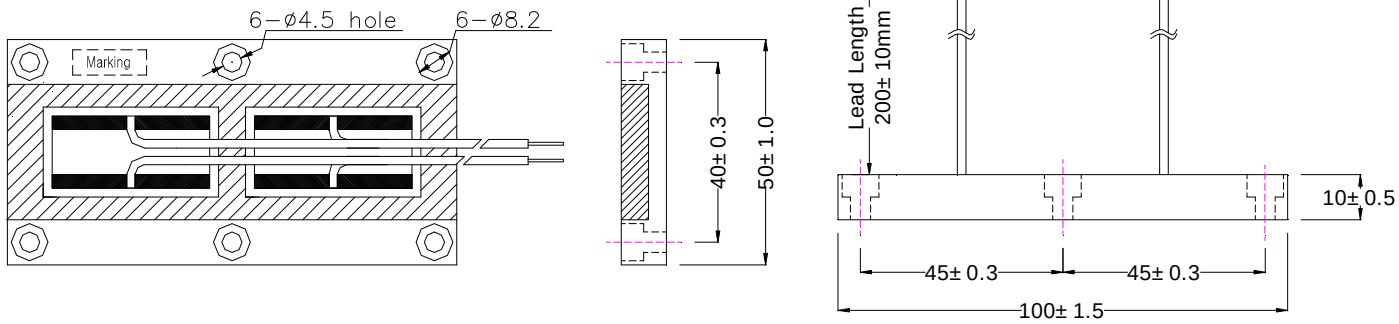
CHARACTERISTICS

Values in [] mean Change in Ω After Test

Temperature Range		- 55 ~ +125℃
Insulation Resistance		Over 1GΩ between two terminals and tab
Dielectric Withstanding Voltage		DC 5000V 1min
Temperature Coefficient		Max ± 250ppm/℃
Moisture Resistance	±[2.0%+0.05Ω]	60℃ / RH90~95%, DC 0.1 x Power rating, 1000 Hours
Vibration	±[0.5%+0.05Ω]	JIS-C-5202
Load Life	±[2.0%+0.05Ω]	25℃, Power rating 1.5 Hours on, 30 min Off 1000 Hours
Thermal Resistance		0.1℃/W From Resistor surface to Fin
Mounting Toque		15kgfcm^2
Maximum Applied voltage		$E = \sqrt{P * R}$
Temperature Cycle	±[0.5%+0.05Ω]	-55℃, 30Min, 120℃, 30Min, 20 Cycles

*Note : Applied voltage : AC RMS voltage

DIMENSIONS[mm]



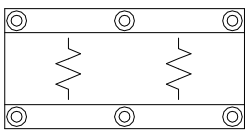
ORDERING PROCEDURE EXAMPLE

HPF250 — **Model #**

***10 Ω + 10 Ω** — **Resistance**

K — **Tolerance [±10%]**

*** Ex) Resistance**



If You require more detailed technical information please contact the RARA.