

## 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. These 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% aluminium substrate as an insulator between the element and metal base. Applications include: snubber and attenuator resistors.

### GENERAL SPECIFICATIONS

Model	Wattage Rating on Heatsink	Resistance Range[ohms]	Tolerance
HPF250	250W (see note)	5-1K	+ -10(K)

### CHARACTERISTICS

Values in [ ] mean change in ohmic value after test

Temperature Range	-55 to +125C		
Insulation Resistance	Over 1Gohm	Between two terminals and tab	
Dielectric Strength	DC5000V 1min		
Temp. Coefficient	+ -250ppm/C		
Moisture Resistance	+ - [2.00%+0.05ohm]	60C, 90 to 95%RH, DC 1W, 1000H.	
Vibration	+ - [0.5%+0.05ohm ]	JIS-C-5202	
Load Life	+ - [2.00%+0.05ohm]	25C, 90min. ON, 30min. OFF,1000H., rated	
Thermal Resistance	0.1C/W	from Resistor Surface to Fin	
Mounting Torque	15kgf cm		
Max. Applied Voltage	1000V	Volt is in accordance with E= root(R X P)	
Temperature Cycle	+ - [0.5%+0.05ohm ]	-55C, 30 min., +120C. 30min., 20cycles	

### DIMENSIONS

