

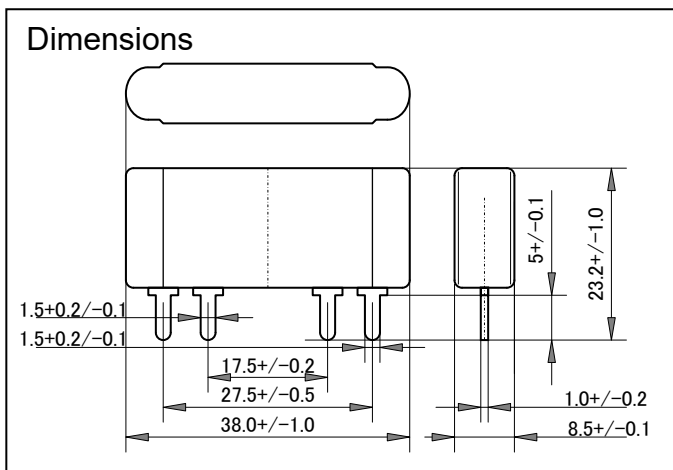
4-TERMINAL PRECISION
CURRENT SENSE RESISTORS

HPCR - 4T



Features and Applications

Four terminals – precision current sense resistor, HPCR, provides +/-30ppm/°C temperature coefficient and +/-0.5% tolerance. HPCR presents 65A to 35A rating current in resistance range of 0.5mOHM to 4mOHM, operating temperature of -25°C to +150°C and housing in to flame proof ceramic case. Applications include inverter electronics, UPS, motor speed control, battery management, battery charge station.



Specifications

Model	Rating Current (A)	Resistance (mΩ)
HPCR-4T	65	0.5
HPCR-4T	60	1.0
HPCR-4T	50	2.0
HPCR-4T	40	3.0
HPCR-4T	35	4.0

Model	Resistance Tolerance (%)	TCR (ppm/°C)
HPCR-4T	+/-0.5, +/-1.0, +/-2.0	+/-30

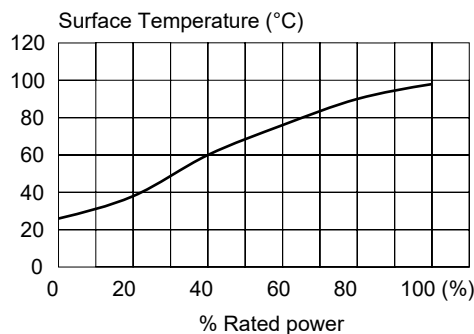
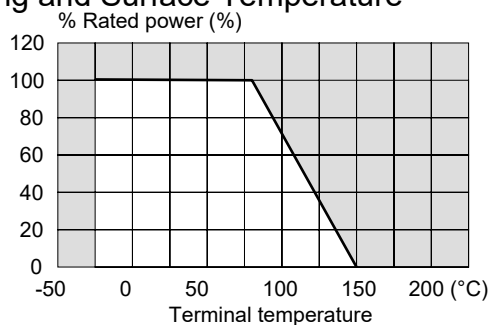
Ordering Information

HPCR-4T	-	1 m OHM	F	Z00
HPCR-4T	-	0.5, 1, 2, 3, 4 m ohm	D(0.5%), F(1%), G(2%)	Z00

Performances

Model	Specifications	Conditions
Temperature Range	-25°C - +150°C	
Insulation resistance	20MΩ	DC500V
Insulation Voltage	AC1000V	60 seconds
Short Time Overload	+/- (0.5% +/- 0.05Ω)	2.5 x Rating power, 5 seconds
Load Life	+/- (1.0% +/- 0.05Ω)	1.5 x Rating power, 1.5 hours on, 0.5 hours off, 500 hours
Stability	+/- (0.1% +/- 0.05Ω)	One hour test time

Derating and Surface Temperature



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