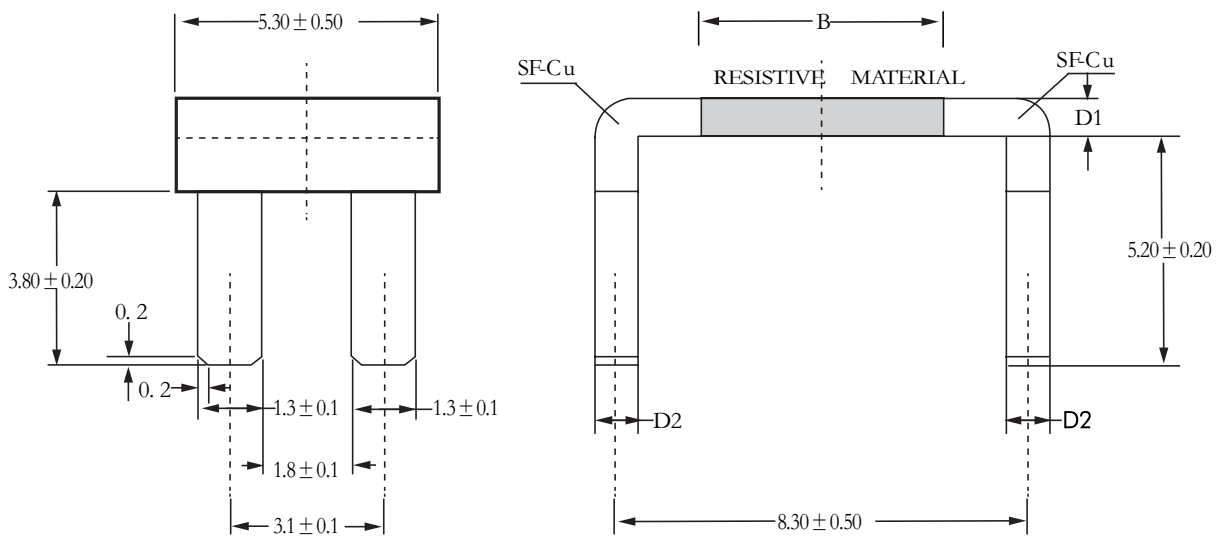




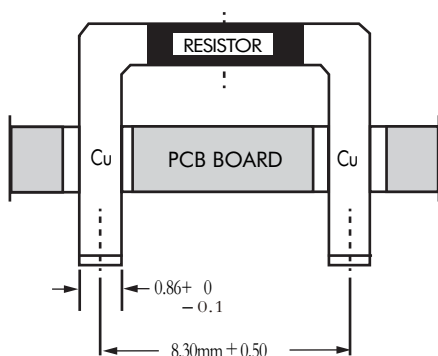
1. Ideal for Current sense and High Current application.
2. Sulfur free copper connection.
3. Max. Solder temp. upto 350 ° C

● Dimensions

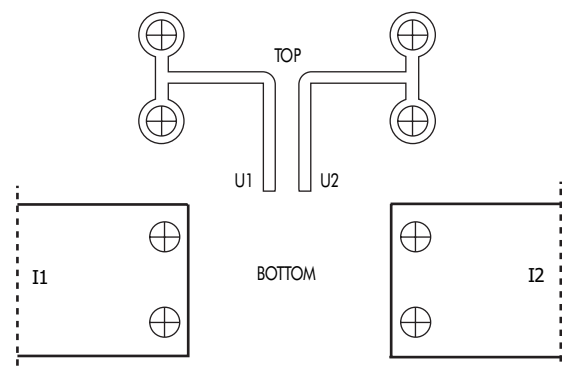


Type	HI-Techpart Name	Resistive Material	Dimensions			Internal Heat Resistance (R _{thi})	Typical Weight Per PC (gms)
			B (MM)	D1 (MM)	D2 (MM)		
1	HHE5W* R0005 F	MANGNIN	4.9 ± 0.30	0.86 ± 0.10	0.86 ± 0.10	7° K/ W	0.65
2	HHE5W* R0003 F	MANGNIN	4.9 ± 0.30	1.42 ± 0.10	1.42 ± 0.10	4° K/W	1.10
3	HHE5W* R001 F	ALUCHROME / FeCr8020	4.9 ± 0.30	1.30 ± 0.10	1.30 ± 0.10	8° K/W	0.89
4	HHE5W* R002 F	ALUCHROME / FeCr8020	4.9 ± 0.30	0.64 ± 0.10	0.64 ± 0.10	15° K/W	0.44

● Proposal Formounting



● Proposal For PcbLayout



Ordering Information

Example:

HHE	5	F	T	R047
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	TCR	Resistance

(1)Type: HHE SERIES

(2)Power Rating: 5=5W

(3)Tolerance: F \pm 1%

(4)TCR:<100 ppm/ $^{\circ}$ C (Depanding on Resistance Value)

(5)Resistance Value:10R0=10R、R10=0.1 Ω 、47R0=47 Ω

Applications And Ratings

Type	Rated Power (W)	Resistance Range (Ω)	TCR(PPM/ $^{\circ}$ C)	Tolerance Range	Operating Temperature
HHE	5W	R0003 to R002	<100 ppm/ $^{\circ}$ C	F \pm 1%	- 55 $^{\circ}$ C to +170 $^{\circ}$ C

Performance Characteristics

Parameter/Performance Test & Test Method	Performance Requirements
Power Rating - 5W (Rated Ambient Temperature)	Full power dissipation at 85 $^{\circ}$ C and linearly derated to zero at + 140 $^{\circ}$ C
Insulation	Not Insulated
Resistance Tolerance	\pm 1% (0.5% and other tolerance available on request)
Temperature Range	- 55 $^{\circ}$ C to +170 $^{\circ}$ C
Voltage Rating / Limiting Voltage / Max. Working Voltage	P \times R
Short time Overload (5 x Rated Power for 5 Secs.)	$\Delta R \pm [1.25 \%R0 + R0005]$
Resistance Temperature Characteristics	<100 ppm/ $^{\circ}$ K (Depanding on Resistance Value)
Damp Heat(Steady State)(40 $^{\circ}$ C at 93 % R.H.for 1000 Hrs.-no load applied)	$\Delta R \pm [0.5 \%R0 + R0005]$ - Average
Endurance-Load Life [70 $^{\circ}$ C with limiting voltage -1.5 hours on / 0.5 hours off for 1000 hours]	$\Delta R \pm [\leq 2.75 \%R0 + R0005]$ - Average
Resistance to Soldering heat - (350 $^{\circ}$ for 30 Secs)	$\Delta R \pm [0.2 \%R0 + R0005]$ -Typical
Solderability (As per IEC pub. 60068-2-20)	Must meet the requirements laid down