

Shunt Resistors



Features

- Precision Resistor (current ampere)
- Low inductance
- Easy to insert and solder in pcb
- For current sensing application

Application

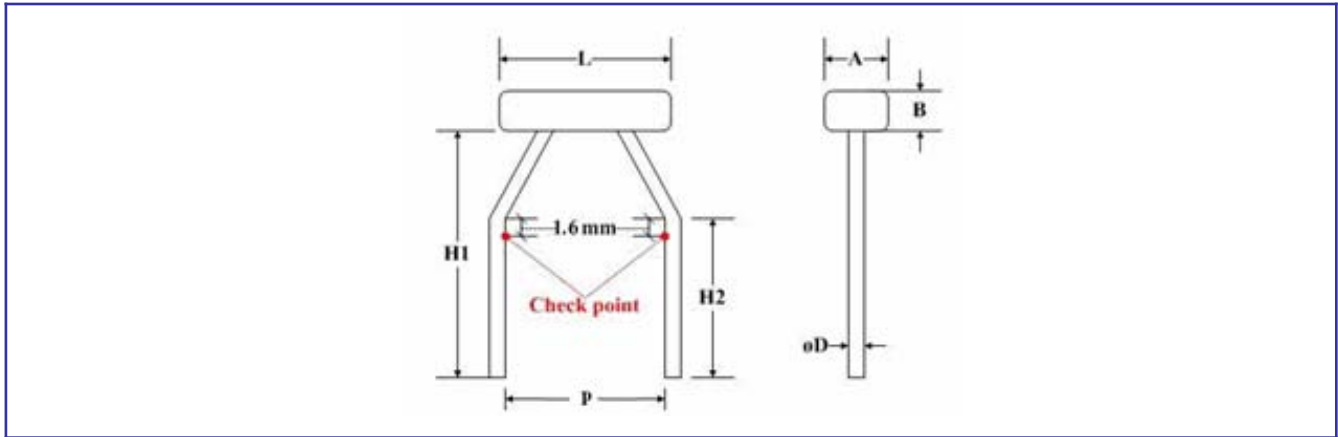
- Energy Meter/Multi Meter
- Adapter
- Switching Mode Power Supply



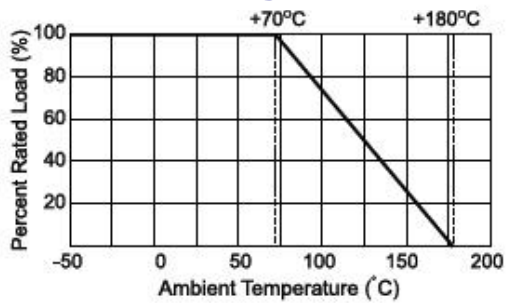
ISO / TS 16949
ISO 14001

SHUNT RESISTORS

Structure



Derating Curve



Type	Rated Current (A)	Max Working Voltage	Operating Temperature Range
CSRE	50	$RCWV = \sqrt{P \times R}$	-50°C -- ±180°C

Shunt	$L \pm 1$	$P \pm 1$	$H1 \pm 1$	$H2 \pm 1$	ϕD ± 0.05	$A \pm 0.3$	$B \pm 0.3$
Type E	10.8	10	15.5	10	1	4	2.5

- Info needed : a) Ohmic value b) Rated current (amp)
- Optional : a) Pitch b) Lead wire diameter

Characteristic

Test Item	Standard
Temperature Coefficient	$\pm 400 \text{ PPM}/^\circ\text{C}$
Short time overload	$\pm(5.0\% + 0.05 \Omega) \text{ Max}$
Resistance to soldering heat	$\pm(1.0\% + 0.05 \Omega)$
Solderability	Min. 95% coverage