

Hall closed loop current sensor



Model: HAS1030

Closed loop, basbar built-in, PCB welding type; Detect DC, AC and pulse current.

Technical Index:

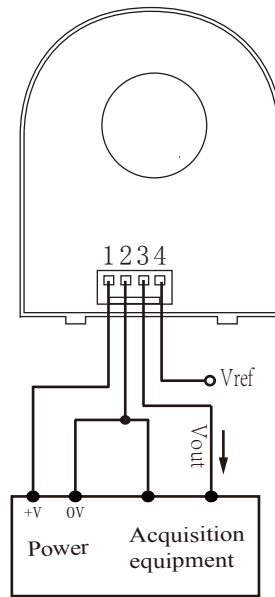
- Flame resistance: UL94-V0
- Working temperature: $-25 \sim +70^{\circ}\text{C}$
- Storage temperature: $-25 \sim +70^{\circ}\text{C}$
- Band width: DC \sim 150kHz
- Dielectric strength: 2.5KV 50Hz 1min



Electrical parameters:

I_{PN} Rated input	5	10	20	30	50	A
I_{PM} Input measured range	7.5	15	30	45	75	A
I_{OUT} Rated output	2.5 \pm 0.625					V
X Accuracy	1					%
ϵ_L Linearity	1					%
V_C Supply voltage(\pm 5%)	+5					V
I_C Current consumption	\leq 15					mA+Is
R_L Load impedance	\geq 10					K Ω
I_{OE} Zero offset TA=25 C	\leq \pm 15					mV
T_R Response time	1					μ s
N.W Weight	23					g

Connection diagram:



Terminal definition

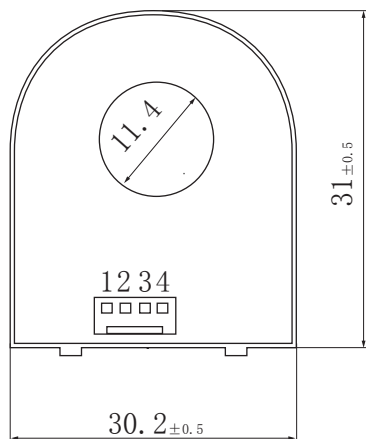
- 1: +V
- 2: 0V
- 3: Vout
- 4: Vref

Connector Illustration:

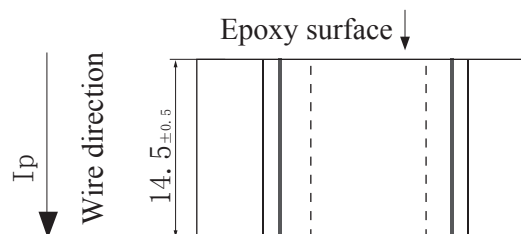


Fast plug/seat which spacing 2.54 mm

Dimensions (in mm) :



Front view



Stitch a, b, c for fixed

Bottom view