

Hall closed loop current sensor



Model: HAS1030

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

Technical Index:

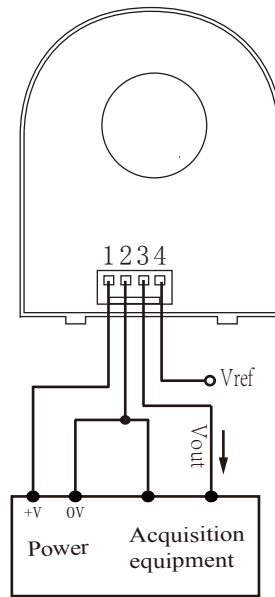
- Flame resistance: UL94-V0
- Working temperature: -25~+70°C
- Storage temperature: -25~+70°C
- Band width: DC~150kHz
- Dielectric strength: 2.5KV 50Hz 1min



Connection diagram:

Electrical parameters:

I_P 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±0.625					V
X Accuracy	1					%
ϵ_L Linearity	1					%
V_C Supply voltage(±5%)	+5					V
I_C Current consumption	≤15					mA+Is
R_L Load impedance	≥10					KΩ
I_{OE} Zero offset TA=25°C	≤±15					mV
T_R Response time	1					μs
N.W Weight	23					g



Terminal definition

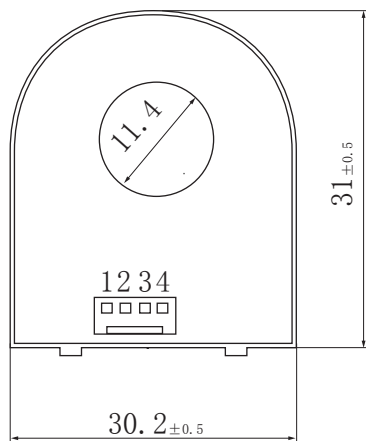
- 1: +V
- 2: 0V
- 3: Vout
- 4: Vref

Connector Illustration:

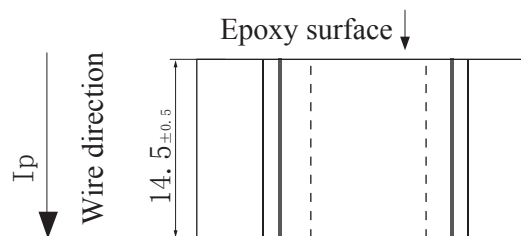


Fast plug/seat which spacing 2.54 mm

Dimensions (in mm) :



Front view



Stitch a, b, c for fixed

Bottom view