

Hall closed loop current sensor



Model: HAS1030

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

Technical Index:

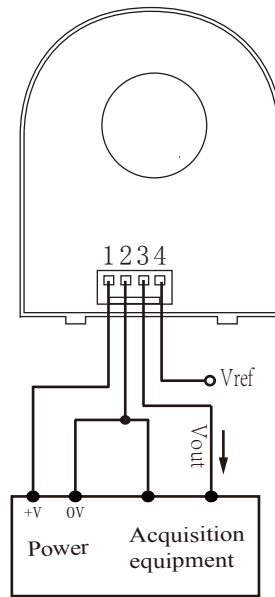
- Flame resistance: UL94-V0
- Working temperature: -25~+70°C
- Storage temperature: -25~+70°C
- Band width: DC~150kHz
- Dielectric strength: 2.5KV 50Hz 1min



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

Connection diagram:



Terminal definition

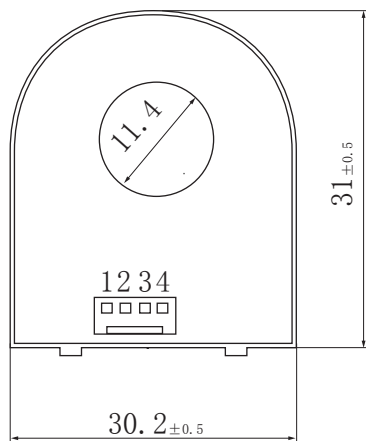
- 1: +V
- 2: 0V
- 3: Vout
- 4: Vref

Connector Illustration:

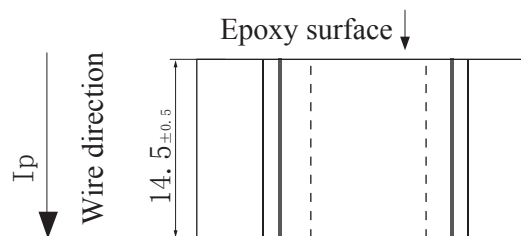


Fast plug/seat which spacing 2.54 mm

Dimensions (in mm) :



Front view



Stitch a, b, c for fixed

Bottom view