Hall closed loop current sensor

Model: HAS4009

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



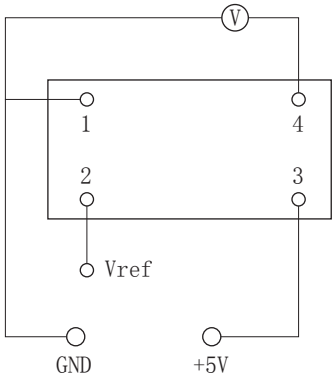
Technical indicators:

Flame resistance：UL94-V0
Working temperature：-25～+70℃
Storage temperature：-40～+85℃
Bandwidth：DC～150kHz
Dielectric strength：3.5KV 50Hz 1min

Electrical parameters:

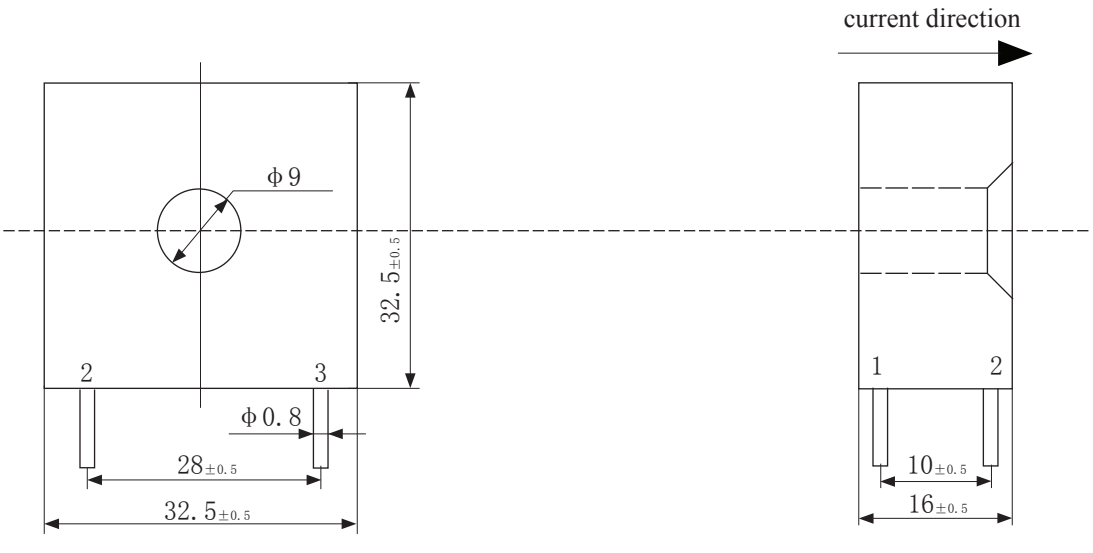
I_P	Rated input	±50	A
I_{PM}	Input measured range	±75	A
V_{OUT}	Rated output	2.5±0.625	V
X	Accuracy	0.5	%
ε_L	Linearity	＜0.1	%
V_C	Supply voltage(±5%)	+5	V
I_C	Current consumption	±15	mA+Im
R_L	Load impedance	≥10K	Ω
V_{OE}	Zero offsetTA=25℃	≤±15	mV
T_R	Response time	＜1	μs
N.W	Weight	26.5	g

Connection Diagram:



Pins definition
1：0V
2：Vref
3：+5V
4：Vout

Dimensions（ in mm）:



Front view　　Side view