SHINHOM

SHAANXI SHINHOM ENTERPRISE CO.,LTD

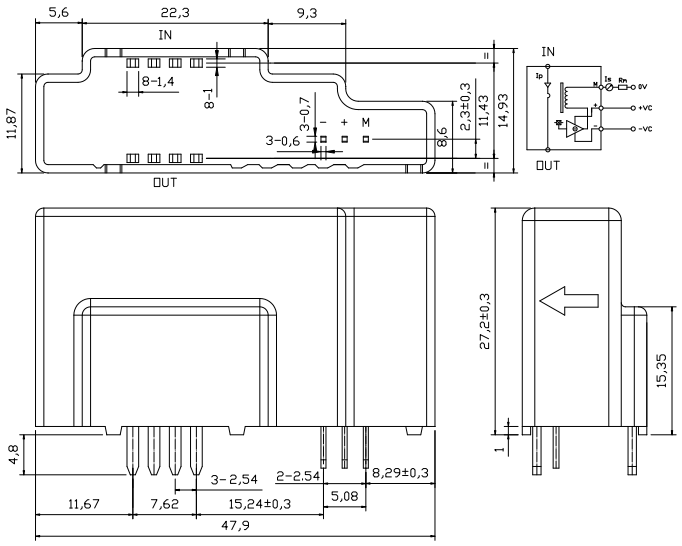
HBC125LAH Series Hall Effect Current Sensor

HBC125LAH series current sensor is an open loop device based on the measuring principle of the Hall Effect, with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC currents.

ELECTRICAL DATA(25℃)

	HBC125LAH	
Rated input current(IPN)	125	A
Current range(IP)	0～±200	A
Load impedance (@IPN) ±12V(@±ADC)	14～48	Ω
±12V(@ARMS)	14～15	
±15V(@±ADC)	29～70	Ω
±15V(@ARMS)	29～29	
Sec. Rated current	125±0.5%	mA
Supply voltage(VC)	±12～±15±5%	V
Static power consumption current(25℃ @±15V)	≤±20	mA
Turns ratio	1:1000	
Zero current imbalance	≤±0.2	mA
Electric loss thermostat drift(-40℃～+85℃)	≤±0.95	mA
Response Time	＜1.0	μs
Linearity	≤±0.2	%FS
Insulation voltage(50/60HZ,1min)	2.5	KV
di/dt Tracing accurate	＞50	A/μs
Bandwidth(-3dB)	DC…100	KHz
Coil resistance @70℃	35	Ω
Operating Temperature	-40～+85	℃
Storage Temperature	-40～+105	℃

MUTING DIMENSIONS



NOTES

1. When the current will be measured goes through a sensor, the voltage will be measured at the output end. (Note: The false wiring may result in the damage of the sensor).
2. The output amplitude of the sensor can be adjusted according to users' requirements.
3. Custom design in the nominal input current and the output voltage available.

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