SHAANXI SHINHOM ENTERPRISE CO.,LTD

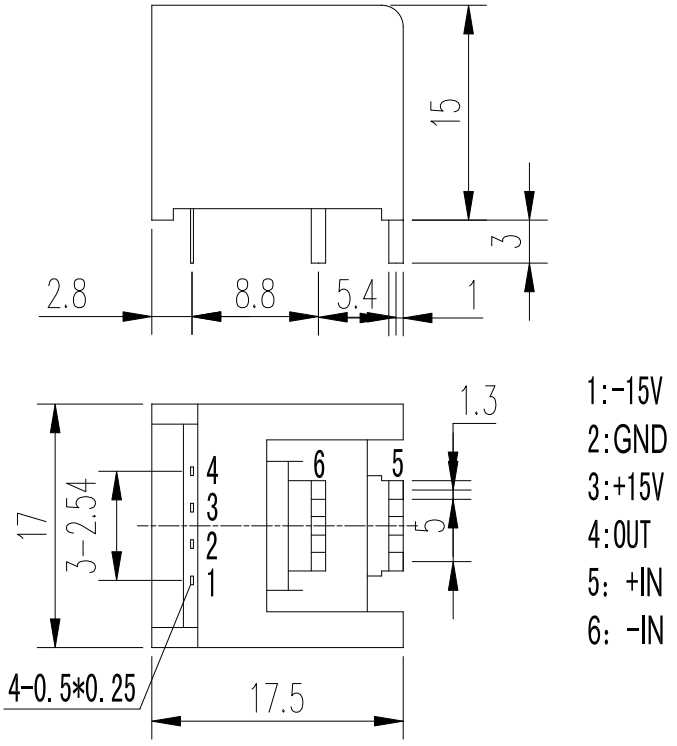
HKC18P-D Series Hall Effect Current Sensor

The HKC18P-D 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 or pulsed currents.

ELECTRICAL DATA

Type	HKC18P40D	HKC18P50D	HKC18P60D	
Rated Current	40	50	60	A
Measure Range	120	150	180	A
Rated Output(V_{OUT})	4±1%			V
Supply Voltage	±15 ±5%			V
Current consumption	≤±15			mA
Offset Voltage(V_{oe})	≤±40			mV
Temperature coefficient Of V_{out}	≤±2			mV/℃
Temperature coefficient Of Voe	≤±1.5			mV/℃
Linearity	≤1			%FS
Response Time	≤3			μS
Galvanic Isolation	2.5			KV
Operating Temperature	-10～+80			℃
Storage Temperature	-25～+80			℃

MUTING DIMENSIONS(FOR REFERENCE ONLY)



INSTRUCTIONS FOR USE

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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