



SHAANXI SHINHOM ENTERPRISE CO.,LTD

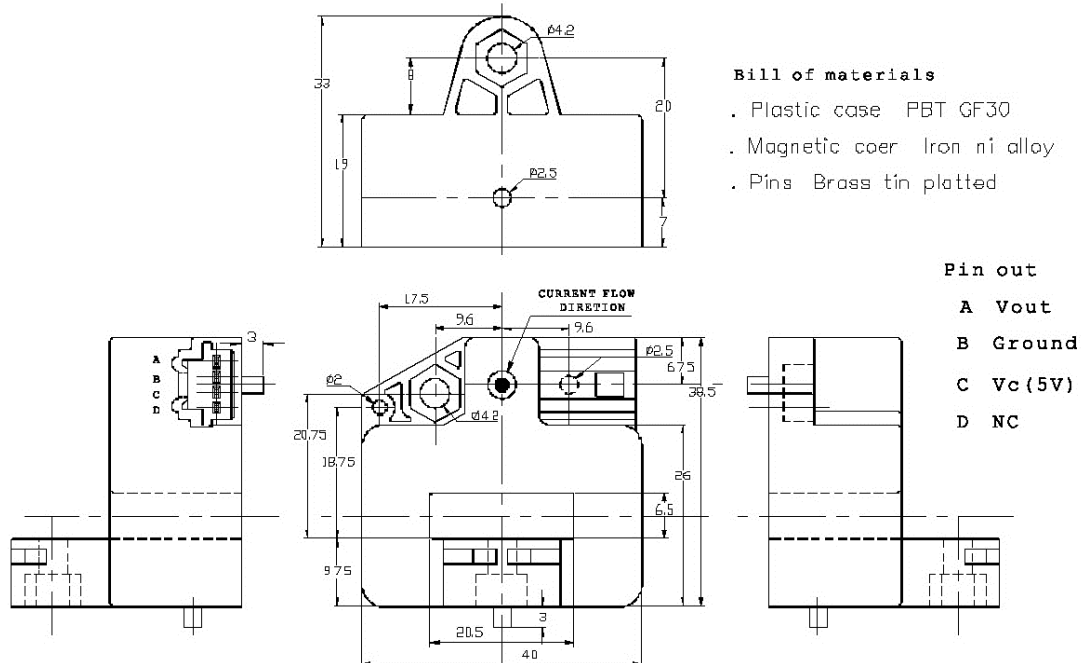
HKC-HAHS52 Series high precision current sensor

HKC-HAHS52 Series high precision current sensor is a open loop device based on the measuring principle of the hall effect ,with a galvanic isolation between primary and secondary circuit, the size of primary not affect test precision, no matter the location of primary in the hole of current sensor, It uses for precision measurement of DC, AC and pulse current.

Electrical data(Ta=25°C±5°C,RL=10KΩ,CL=10000PF)

Type	HKC50 HAHS52	HKC100 HAHS52	HKC200 HAHS52	HKC300 HAHS52	HKC500 HAHS52	HKC600 HAHS52	HKC800 HAHS52	HKC1000 HAHS52	HKC1200 HAHS52	HKC1500 HAHS52	Unit
Rated input (Ipn)	±50	±100	±200	±300	±500	±600	±800	±1000	±1200	±1500	A
Measure range(Ip)	±56	±112	±225	±337	±562	±675	±900	±1000	±1200	±1500	A
Rated output	±2.0±0.5%@Ip=0±Ipn										V
Zero voltage	1/2Vcc±0.5%@Ip=0										V
Reference voltage	2.5±0.5%										V
Supply voltage	+5±5%										V
Power Consumption	≤15										mA
Offset voltage	≤±5.0										mV
Magnetic offset	±5.0		±3.0						mV		
Offset drift	≤±1		≤±0.5						mV/°C		
output drift	≤±1		≤±0.5						mV/°C		
Linearity	≤0.5@Ip=0±Ipn										%FS
Response time	≤5@100A/μS, 10%-90%										μS
Bandwidth	DC~20@-3dB										KHZ
Galvanic isolation	2.5@ 50HZ,AC,1min										KV
Operating Temperature	-40~+125										°C
Storage Temperature	-40~+125										°C

Mechanical dimension(for reference only)



Directions 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.Customs can adjust Output amplitude of the sensor by needs.



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3. Custom design in the different rated input current and the output voltage are available.