



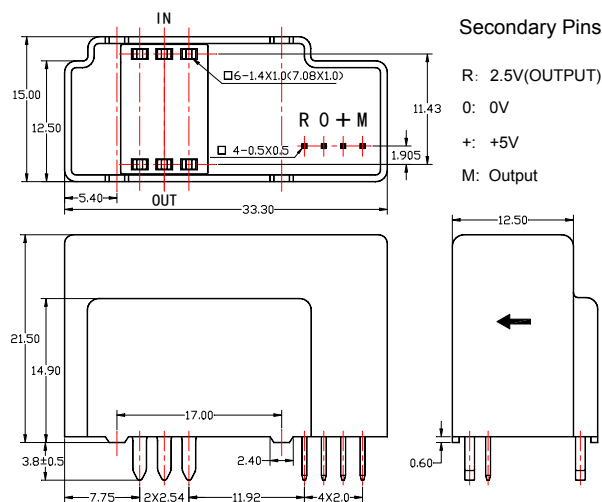
**HBC100LAHS5 Series Hall Effect Current Sensor**

HBC100LAHS5 Series current sensor with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed currents.

**ELECTRICAL DATA**

	HBC100LAHS5	
Rated input current(I <sub>pn</sub> )	100	A
Test current range(I <sub>p</sub> )	±240	A
Turns ratio(N <sub>p</sub> /N <sub>s</sub> )	1:1200	T
Rated output voltage	±0.625±0.5%	V
Supply voltage	+5±5%	V
Consumption current	20+ I <sub>p</sub> *( N <sub>p</sub> /N <sub>s</sub> )	mA
Offset voltage	2.5±0.4%	V
Reference voltage (V <sub>R</sub> )	2.5±0.5%	V
External reference voltage	2.0-2.8	V
Offset voltage Drift	≤±0.1	mV/°C
Output voltage Drift	≤±0.05	mV/°C
Linearity(I <sub>p</sub> =0-±I <sub>pn</sub> )	≤±0.2	%FS
Class	≤±1.0	%
di/dt	> 100	A/μS
Response time(100A/μS, 10%~90%)	≤1	μS
Bandwidth(-3db)	DC~100	KHZ
Insulation voltage(50HZ,AC,1min)	5.0	KV
Operating Temperature(TA)	-40~+85	°C
Storage Temperature(TS)	-40~+105	°C
Gross weight(M)	22	g

**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



SHAANXI SHINHOM ENTERPRISE CO.,LTD