SHAANXI SHINHOM ENTERPRISE CO.,LTD

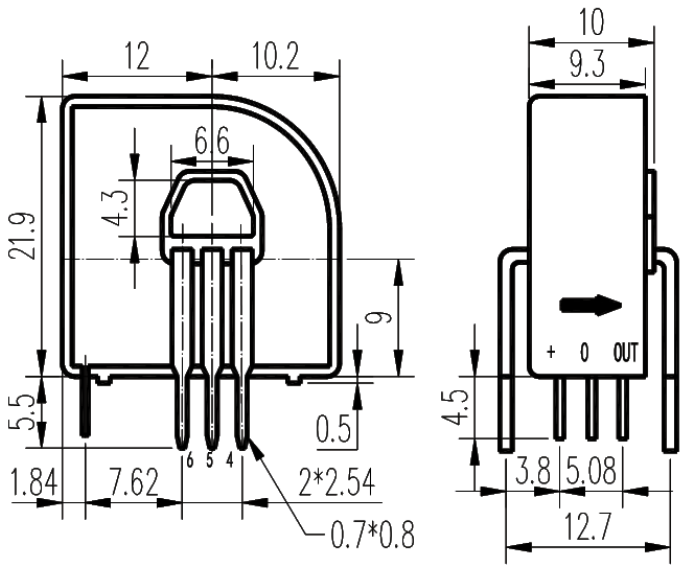
HBC-DSH5 Series Hall Effect Current Sensor

HBC-DSH5 Series current sensor with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of DC, AC or pulsed currents.

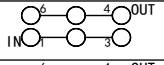
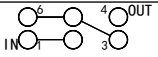
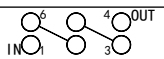
ELECTRICAL DATA

	HBC06DSH5	HBC15DSH5	HBC25DSH5	HBC50DSH5	HBC75DSH5	
Rated input current(Ipn)	6	15	25	50	75	A
Test current range(Ip)	±20	±51	±85	±150	±150	A
Turns ratio(Np/Ns)	1:960	1:960	1:992	1:1000	1:1000	T
Rated output voltage	±0.625±0.5%					V
Supply voltage	+5±5%					V
Dissipative current	15+ Ip *(Np/Ns)					mA
Offset voltage	2.5±0.4%					V
Offset voltage Drift	≤±0.1					mV/℃
Output voltage Drift	≤±0.05					mV/℃
Linearity	≤±0.2(Ip=0-±Ipn)					%FS
Class	≤±1.0					%
di/dt	＞100					A/μS
Response time	≤1(100A/μS, 10%～90%)					μS
Bandwidth(-3db)	DC～100					KHZ
Insulation voltage	2.5(50/60HZ,1min)					KV
Operating Temperature	-40～+85					℃
Storage Temperature	-40～+105					℃
GW	10					g

MUTING DIMENSIONS(FOR REFERENCE ONLY)



THE WIRING DIAGRAM

Turns	Rated input current(A)	Rated output voltage(V)	Pri DCR[mΩ]	Pri inductance [uH]	Terminal
1	±6(±15，±25，±50)	2.5±0.625	0.18	0.013	
2	±3(±7.5,±12.5,±25)	2.5±0.625	0.81	0.05	
3	±2(±5,±8.3,±16.67)	2.5±0.625	1.62	0.12	

Http://www.shinhom.com Fax: 029-87851840 Tel: 029-87851838 E-mail:sales@shinhom.com.cn