



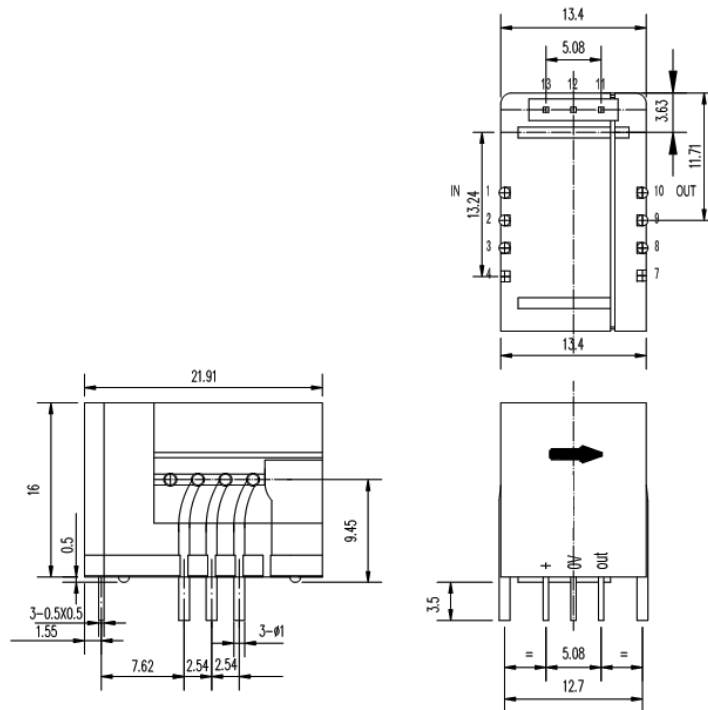
HBC-CAS Series Hall Effect Current Sensor

The HBC-CAS 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

	HBC06CAS	HBC15CAS	HBC25CAS	HBC50CAS	
Rated input current	6	15	25	50	A
Test current range	±19.2	±48	±80	±100	A
Turns ratio	960	1200	2000	2000	T
Rated output voltage	0.625±0.5%	0.625±0.5%	0.625±0.5%	0.625±0.5%	V
Supply voltage	+5±5%				V
Offset Voltage	2.5±0.5%				V
Offset voltage drift(-40~+85°C)	≤±0.5				mV/°C
Linearity	≤0.1				%FS
Precision	±0.7				%
di/dt	>50				A/μS
Response Time	<500				nS
Bandwidth(-1db)	DC~200				KHZ
Isolation voltage(50HZ,1min)	2.5				KV
Operating Temperature	-40~+85				°C
Storage Temperature	-40~+125				°C

MUTING DIMENSIONS(FOR REFERENCE ONLY)



THE WIRING DIAGRAM

Turns	Rated input current (Ipn)[A]	Rated output voltage Vout[V]	Pri DCR [mΩ]	Terminal
1	±6(±15, ±25, ±50)	2.5 ±0.625	0.24	
2	±3(±7.5, ±12.5, ±25)	2.5 ±0.625	1.08	
3	±2(±5, ±8.3, ±16.6)	2.5 ±0.625	2.16	