



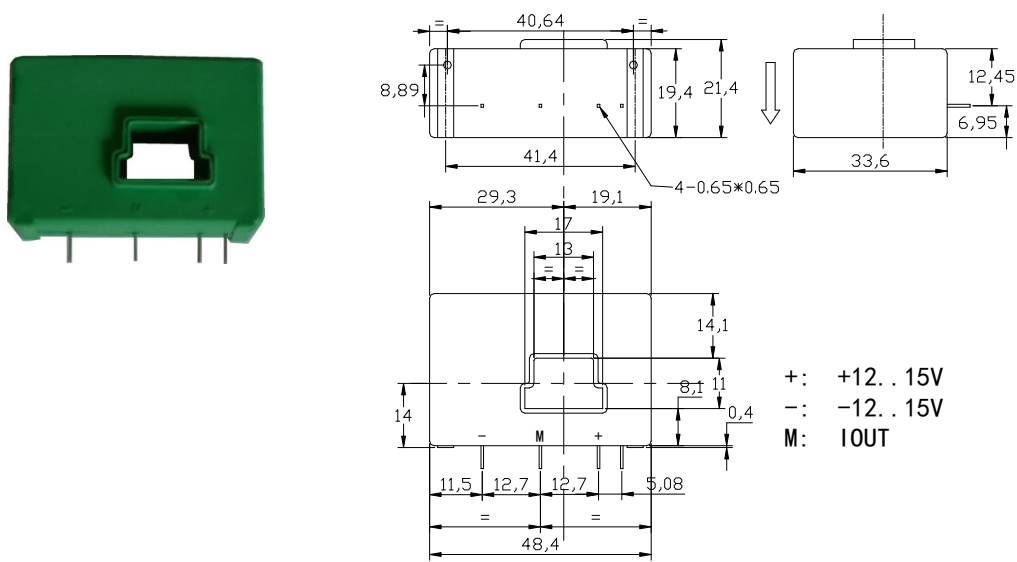
HBC-LAP Series Hall Effect Current Sensor

The HBC-LAP 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

	HBC100LAP	HBC125LAP	HBC200LAP	
Rated Current(IPN)	100	125	200	A
Measure Range(IP)	0~±200	0~±200	0~±300	A
Rated Output Current(ISN)	100±0.5%	125±0.5%	100±0.5%	mA
Supply Voltage(±5%)	±12~±15			V
Supply current loss	16(@±15V)+IS			mA
Test resistance	with±12V @±IPNmax	14(min) 52(max)	0(min) 26(max)	Ω
	@±IPmax	14(min) 17(max)	0(min) 4(max)	Ω
	with±15V @±IPNmax	40(min) 72(max)	0(min) 56(max)	Ω
	@±IPmax	40(min) 40(max)	0(min) 8(max)	Ω
Turns ratio	1:1000	1:1000	1:2000	
Sec resistance	33	33	76	Ω
Offset current	≤±0.2			mA
Offset current Drift	≤±0.5			mA
Response Time	<1			μs
Linearity	≤±0.2			%FS
Insulation voltage	50(60)HZ, 1min,3			KV
di/dt	>100			A/μs
Bandwidth(-3dB)	DC...100			KHz
Operating Temperature	-40~+85			°C
Storage Temperature	-40~+105			°C

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