



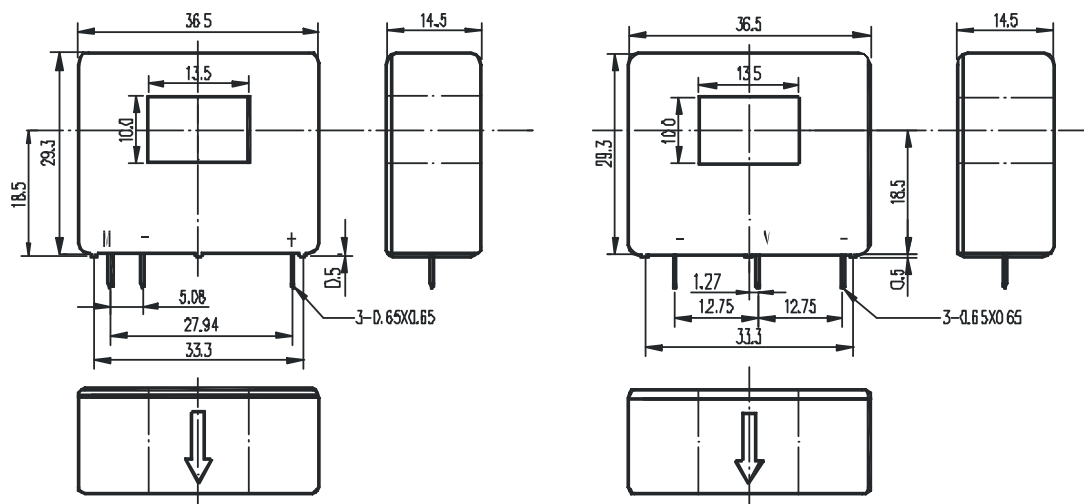
HBC-AP Series Hall Effect Current Sensor

The HBC-AP 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

Item	HBC50AP	HBC100AP	HBC125AP	HBC200AP	
Rated Current	50	100	125	200	A
Measure Range	100	200	200	300	A
Turns ratio	1:1000	1:2000	1:1000	1:2000	
Sec resistance	30	45	30	76	Ω
Load resistance	50~160	20~120	30~60	0~56	Ω
Rated Output current	50±0.5%	50±0.5%	125±0.5%	100±0.5%	mA
Supply Voltage	±12~±15				V
Offset current	≤±0.2				mA
Offset current Drift	≤±0.005				mA/°C
Linearity	≤±0.2				%FS
Bandwidth (-3db)	0~200				KHz
Response Time (100A/us)	≤1				us
Insulation	3.0				KV
Operating Temperature	-40~+85				°C
Storage Temperature	-40~+105				°C

INSTRUCTIONS FOR USE



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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