

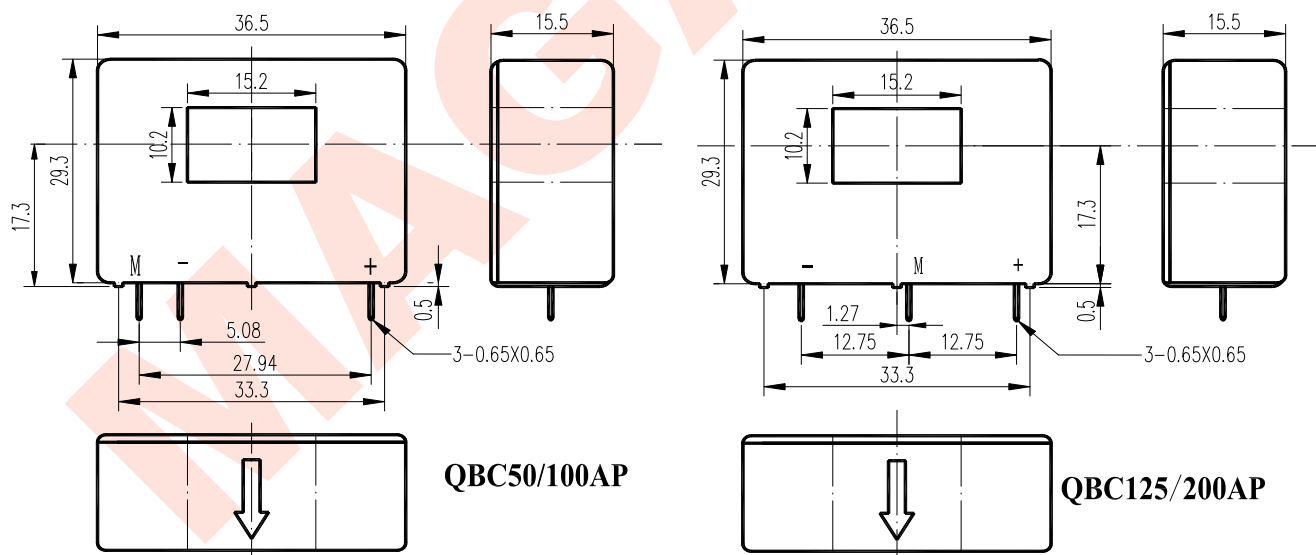
# ◆ AP Series Hall Effect Current Sensor

The QBC-AP series current sensor is a closed loop device based on the principle of the Hall Effect and null balance method. The output from the current sensor is the balancing current which is a perfect image of the primary current reduced by the number of secondary turns at any time. This current can be expressed as a voltage by passing it through a resistor. It provides accurate electronic measurement of DC, AC or pulsed currents.

## ELECTRICAL DATA:

Type	QBC50AP	QBC100AP	QBC125AP	QBC200AP	
Rated Current	50	100	125	200	A
Measure Range	150(±18V, 100Ω)	300(±18V, 68Ω)	375(±18V, 15Ω)	600(±18V, 12Ω)	A
Turn Ratio	1:1000	1:2000	1:1000	1:2000	
Secondary Coil Resister	30	45	30	45	Ω
Rated Output	50±0.5%	50±0.5%	125±0.5%	100±0.5%	mA
Supply Voltage				±12~±18	V
Offset Current				±0.2	mA
Offset Drift				≤±0.005	mA/°C
Linearity				≤0.1	%FS
Band Width(-3db)	-3db			0~200	KHz
Response Time	100A/us			≤1	us
Galvanic Isolation	50HZ, 1min			3.0	KV
Operating Temperature				-40~+85	°C
Storage Temperature				-40~+125	°C

## MUTING DIMENSIONS (FOR REFERENCE ONLY):



## INSTRUCTIONS FOR USE:

1. When the current to 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. Custom design in the nominal input current and the output voltage available.