BADGER GLOBAL COMPONENTS
1510 Sylvania Ave., WI 53177 262-884-9087
Fax 262-884-9082 sales@badgerglobal.net

Hall Current Sensor- TU301-OCA

I_{PN}=50..300A

For the electronic measurement of currents:DC,AC,pulsed,mixed, with a galvanic isolation between the primary(high power) circuit and the secondary(electronic) circuit.

RoHS COMPLIANT

● Operating performance (AT =25℃)

Performance \ Model		TU500 OCA	TU750 OCA	TU101 OCA	TU201 OCA	TU301 OCA
Primary nominal r.m.s. current	I_{PN} (A)	50	75	100	200	300
Primary current measuring range	I_P (A)	0~±50	0~±75	0~±100	0~±200	0~±300
Supply voltage	V_{CC}	±15V (±5%)				
Output voltage	V_{OUT}	4-20mA				
Current consumption	I_C	≦±50mA @ $\pm I_{PN}$				
Response time	t_r	＜300ms				
Linearity	ε_L	≦±1% @0~$\pm I_{PN}$				
Accuracy	X	±2 % @$I_{PN\ (DC)}$				
Response Voltage		380V AC				
Isolation voltage	V_d	3KV @50/60Hz/1min				
Frequency bandwidth	f	DC~100Hz				

● General data

Operating temperature	T_O	-25～+85℃
Storage temperature	T_S	-40～+85℃
Mass	m	26g
Note		Insulated plastic case recognized according to UL 94-V0

● Applications

- ◆AC variable speed drives
- ◆Battery supplied applications
- ◆Uninterruptible Power Supplies(UPS)
- ◆Static converters for DC motor drives
- ◆Switched Mode Power Supplies(SMPS)
- ◆Power supplies for welding applications.

● Advantages

- ◆Low insertion losses
- ◆Easy to mount with automatic handling system
- ◆Small size and space saving
- ◆Only one design for wide current ratings range
- ◆High immunity to external interference

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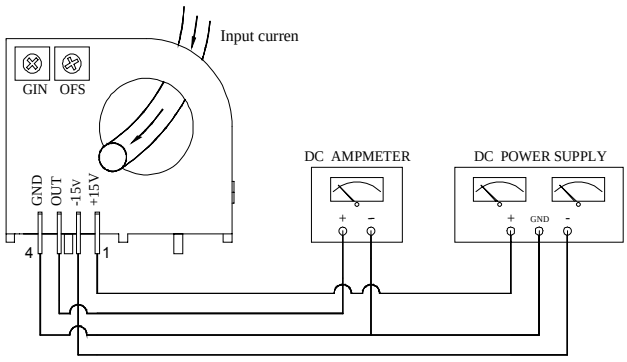
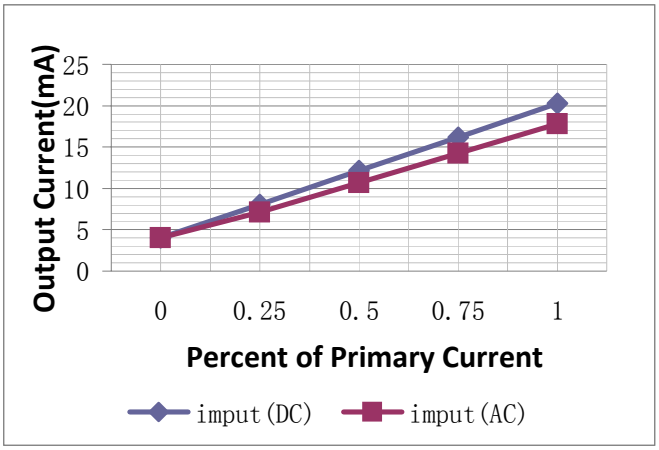
● Connection

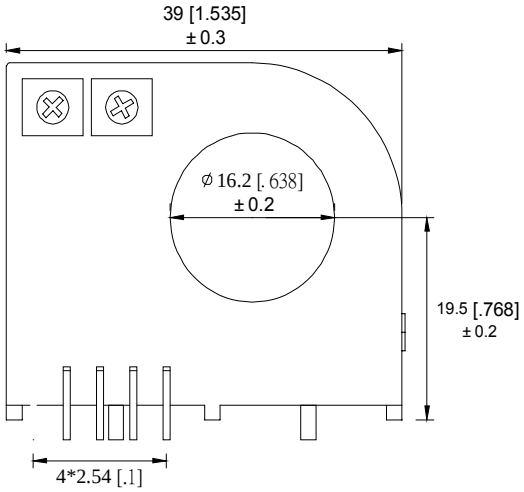


● Output Curve Figure

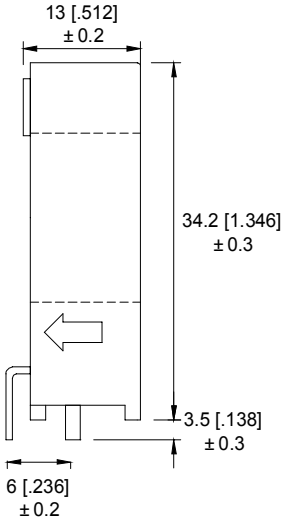


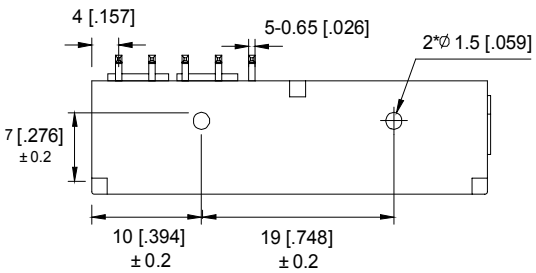
● Dimensions (Unit:mm/inch)

Front View



Right View





Bottom View

Secondary terminals	
terminal 1	+15V
terminal 2	-15V
terminal 3	OUTPUT
terminal 4	GND