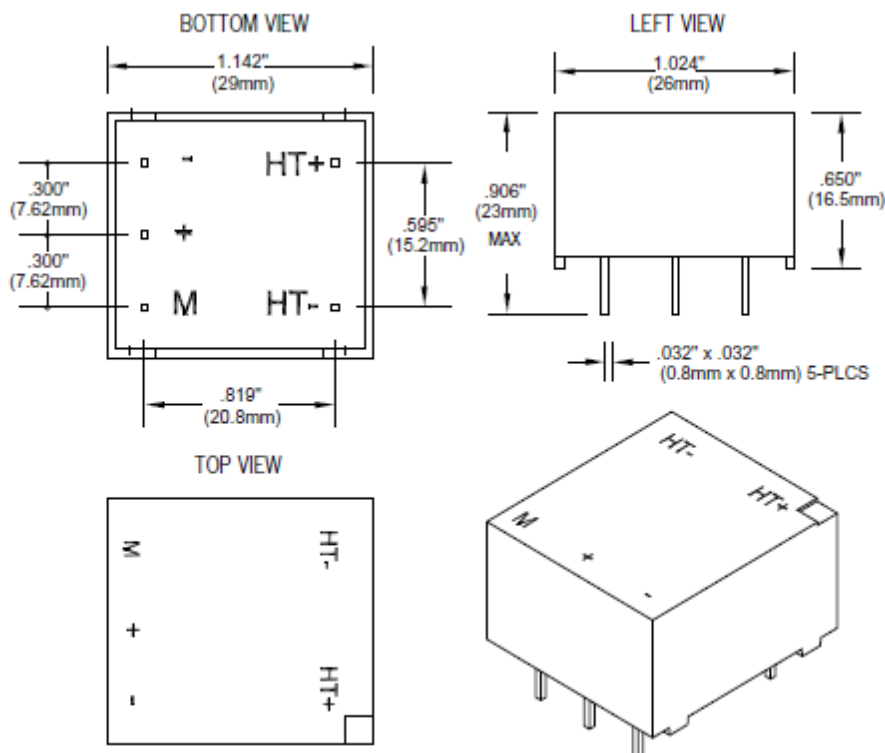


Current sensors

CLSM- 05MA, 10MA, 25, 25M



The CLSM models are closed loop Hall effect current sensors that accurately measure DC and AC currents and provide electrical isolation between the current carrying conductor and the output of the sensor.



Features

- Fast response
- Small size
- Low cost
- High overload capacity
- Moisture proof
- Shock proof
- Low power measuring resistance
- Measure DC, AC, and pulsed currents/voltages

Applications

- Variable speed motors
- Welding equipment
- Power supply equipment
- Measure and control system
- Over current protection
- Protection of power semiconductors

Contact

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Current sensors

CLSM- 05MA, 10MA, 25, 25M

Specifications

Model:	CLSM-05MA	CLSM-10MA	CLSM-25	CLSM-25M
Nominal current	5 mA	10 mA	25 A	25 A
Current range	0 to 10 mA	0 to 20 mA	0 to 50 A	0 to 50 A
Nominal output current	25 mA			
Turns ratio	5000/1000	2500/1000	1-2-3-4-5/1000	1-2-3-4/1000
Overall accuracy at 25 °C	±0.8%	±0.8%	±0.5%	±0.5%
Supply voltage	12 to 18 V DC			
Isolation voltage	5 kV / 50 Hz / min.			
Zero current offset at 25 °C	< 0.15 mA			
Offset current temperature drift	< 0.3 mA			
Linearity	>0.2%	>0.2%	>0.1%	>0.1%
Response time	< 30 μs	< 20 μs	< 1 μs	< 1 μs
Frequency range	20 mV			
Operating temperature	-40 to 85 °C			
Storage temperature	-40 to 90 °C			
Package	Flame retardant plastic case			
Weight	22 g	22 g	22 g	17 g
Mounting	Mount directly on PCB via through hole connection pins			

Note: Due to continuous process improvement, specifications are subject to change without notice