Models CLSM-50/100MT Closed Loop Hall Effect

Description

Models CLSM-50/100MT are closed loop Hall effect current sensors that accurately measure DC and AC current and provide electrical isolation between the current carrying conductor and the output of the sensor.

Features

- Noncontact measurement of high current
- Measures DC, AC and impulse currents
- Very fast response and high accuracy
- · High overload capacity

Applications

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



Electrical Specifications	CLSM-50MT	CLSM-100MT
Nominal current (ln) Current range Nominal output current (lm)	±50 A 0 to ±100 A ±5	
Turns Ratio Measuring Resistance (RM) Overall accuracy at 25°C Supply voltage (Vdc)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2000 / 1 ——— 0 to 50 Ω
Accuracy-Dynamic Performance	15 IIIA + 0	output current
Zero current offset at 25°C	< ± better better	.0.2mA —
General Information		
Operating temperature Storage temperature Package Isolation voltage Output reference Weight		oHz/1 min. ut on terminal M, input current n of the arrow (conventional flow) 34 grams
MountingAperture size (mm)	Designed to mount directly on PCB via through hole connection pins 10.5 x 20.6	

Notes:

- 1. Busbar temperature should not exceed 100°C.
- 2. The dynamic performance is the best when the busbar fills the aperture.
- 3. Due to continuous process improvement, all specifications are subject to change without notice.

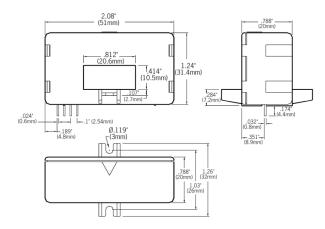


Mechanical **Dimensions**

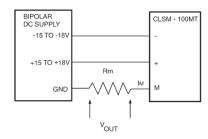
All dimensions are in inches (millimeters)

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Mechanical Dimensions



Connection Schematic



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