ISO 9001:2015 Certified

PAVAN INDUSTRIES

Compliant Product

Certified Product

Open Loop Current Sensor

Model: HOCS - 20... 600 - 12/15/24 (AC Current)

Product:

Applications:

- Power Supplies of Welding Machines
- Robotics
- UPS & SMPS
- Electric Vehicles
- AC Variable Speed Drives
- Batteries related applications
- Automation

Electrical Characteristics:

Supply Voltage	+12 to 24 VDC, ±5%
Current Consumption	20mA
Output Voltage @ Imax, R=10KΩ @ 25°C	0-5 / 0-10 VDC
Accuracy @ Ta = 25°C	±1%
Linearity	<±1% of Imax
(Excluding Electrical Offset) Output Offset Voltage @ 0A	< +80mV
Frequency Bandwidth (-3dB)	50 Hz
Insulation resistance @500 VDC	> 1000 MΩ
Load Resistance	>6 KΩ

Plot No. 07/10, Ichcha Estate-2, Near Vasant Falia, Abrama Valsad - 396001, Gujarat, India.
Call @ +91 94268 12657, +91 84605 15509, +91 2632 226651.
E-mail: pot_ad1@bsnl.in, admin@potsndials.com, URL Link: www.potsndials.com

Electrical Characteristics:

Electrical Offset Voltage, @ 25 C	< 80 mV
Hysteresis Offset Voltage@ Ip = 0,after RMS current limit	< ±20 mV
Temperature coefficient of VOE, HOCS-50-24	< ±2 mV/K
Temperature coefficient of VOE, HOCS-10...600-24	< ±1 mV/K
Temperature Coefficient of VOUT (% of reading)	< ±0.1 %/K
Step response time to 90% of RMS current limit	< 100 mSec

Insulation Characteristics:

RMS Voltage for AC Insulation test, 50 Hz/ 1 min	3.6 kV
Impuse withstand voltage 1.2/50 µsec	>6.6 kV

	EN 50178	**IEC 61010-1**
	Basic Insulation Voltage	Nominal Voltage
Basic Insulation	600 V	600 V
Reinforced Insulation	300 V	300 V

Mechanical Characteristics:

Ambient Operating Temprature	-10°C to +80°C
Ambient Storage Temprature	-25°C to +80°C
Mass	60gm

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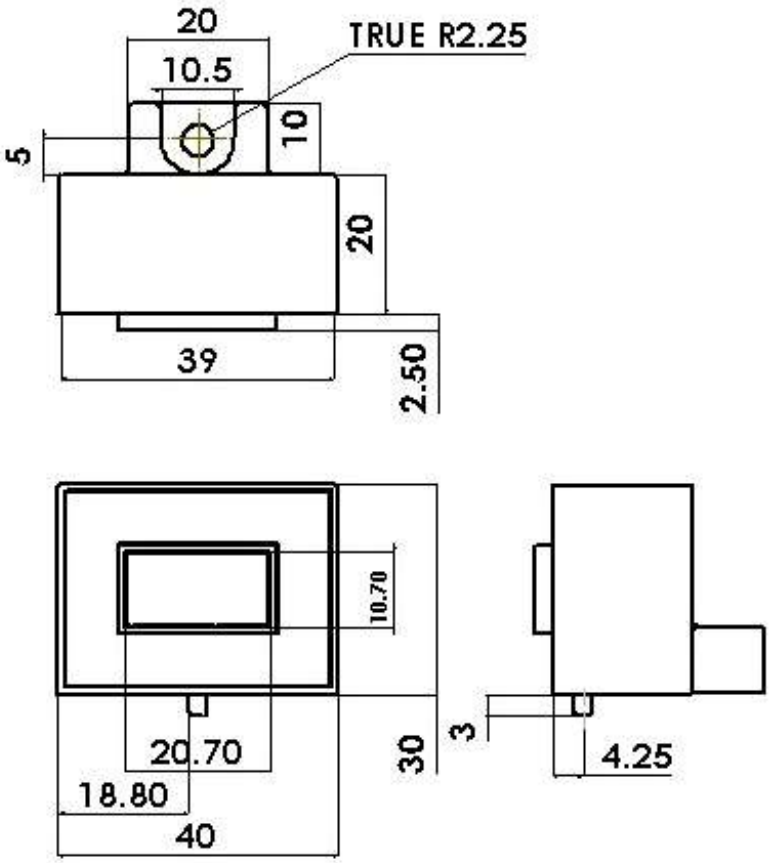
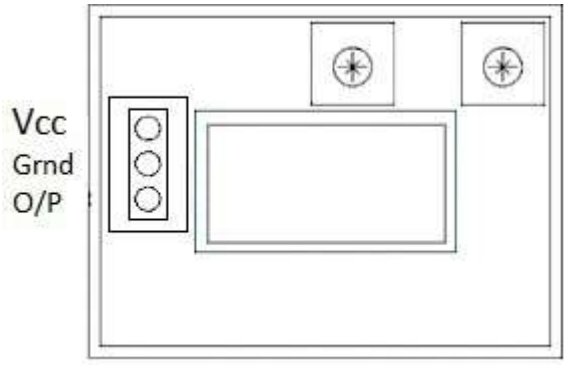
Dimensional Drawings:



All dimensions are in millimeters

Pin Configurartions:



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