DATA SHEET
Hall Effect Voltage Sensor

PN: CHV10LVB15D50	IPN=10mA

Feature

- Closed- loop (compensated) voltage transducer
- Supply voltage: ±15±5% V
- Capable measurement of DC and AC voltage with galvanic isolation between primary circuit and secondary circuit.

Advantages

- High accuracy
- Easy installation
- Low temperature drift
- High immunity to external interference
- Very good linearity
- Can be customized

Applications

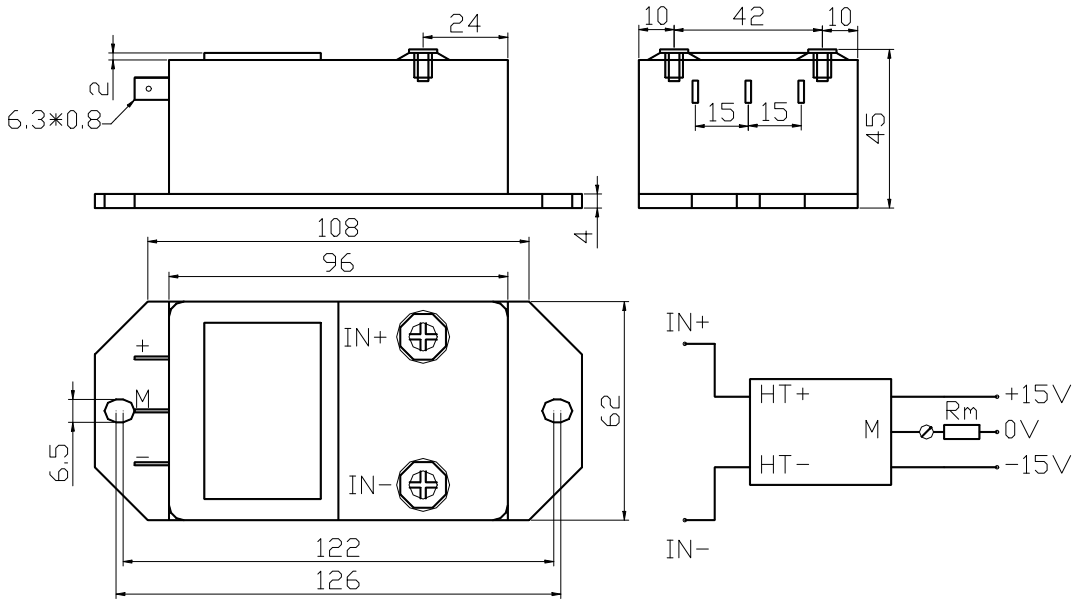
- The application of induction cooker
- AC/DC variable-speed drive
- Uninterruptible Power Supplies (UPS)
- Switched Mode Power Supplies (SMPS)
- Inverter applications

RoHS

Electrical data：（Ta=25℃，Vc= ±15VDC）	
Model	CHV10LVB15D50
Rated Current(mA)	10
Measure Range(mA)	0～±20
Rated Output(mA)	50±0.5%
Supply Voltage(V)	±15±5%
Current Consumption(mA)	＜25
Offset Current(mA)	≤±0.2
Offset Current Drift(mA)	≤±0.3
Linearity(%FS)	≤±0.25
Response Time(μS)	≤40--200
Frequency Bandwidth(HZ)	20～10000
Galvanic Isolation(KV)	6(50/60HZ,1min)
Primary Coil Resistance(Ω)	1500
Secondary Coil Resistance(Ω)	60
Operating Temperature(℃)	-10～+80

Storage Temperature(℃)	-25～+85

Dimensions(mm) & Wiring:



Remarks:

- 1. When the voltage will be measured goes through a sensor, the current will be measured at the output end. (Note: The false wiring may result in the damage of the sensor).
- 2. The output amplitude of the sensor can be adjusted according to users' requirements.
- 3. Custom design in the nominal input voltage and the output current available.

WARNING : Incorrect wiring may cause damage to the sensor.