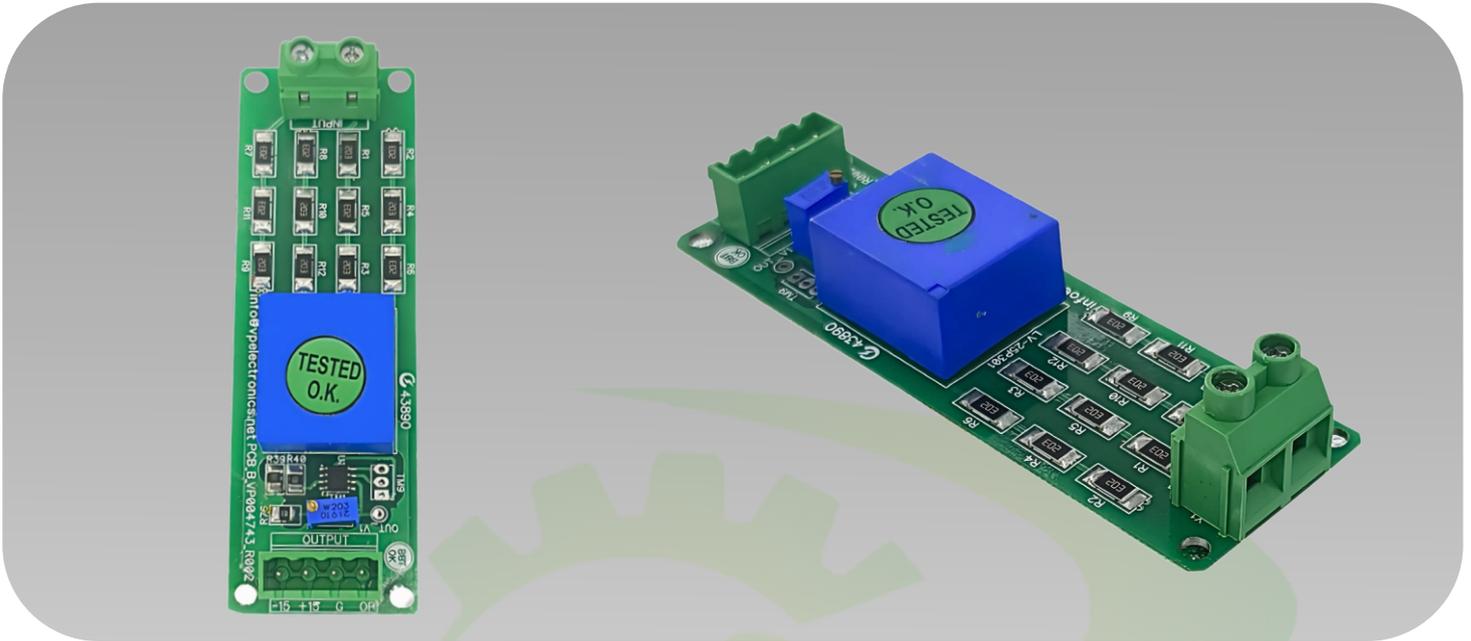




**VP003826**

## **EVALUATION BOARD - TBV10/25A VOLTAGE SENSOR SMD**



### **USES**

- Voltage Sensor 1000V
- Voltage Sensing 0-10V AC/DC Both used into ratio 100:1
- DSPIC analog pin reading

### **FEATURES**

- Closed loop (compensated) voltage transducer using the Hall effect
- Insulated plastic case recognized according to UL 94-V0.

### **PRINCIPLE OF USE**

- For voltage measurements, a current proportional to the measured voltage must be passed through an external resistor R 1 which is selected by the user and installed in series with the primary circuit of the transducer

## ADVANTAGES

- Excellent accuracy
- Very good linearity
- Low thermal drift
- Low response time
- High bandwidth
- High immunity to external Interference
- Low disturbance in common mode.

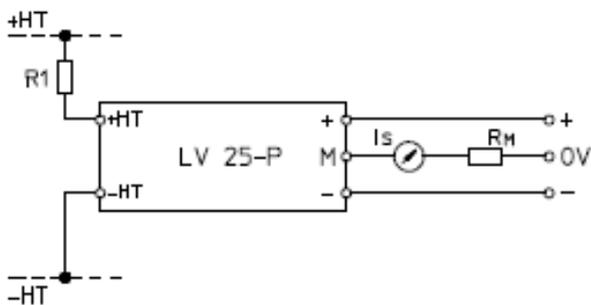
## APPLICATIONS

- AC variable speed drives and servomotor drives
- Static converters for DC motor drives
- Battery supplied applications
- Uninterruptible Power Supplies (UPS)
- Power supplies for welding applications.

## SECONDARY TERMINALS

- Terminal + : supply voltage + 12 .. 15 V
- Terminal M : measure
- Terminal - : supply voltage - 12 .. 15 V

## CONNECTION DIAGRAM



## MECHANICAL CHARACTERISTICS

- General tolerance  $\pm 0.2$  mm
- Fastening & connection of primary 2 pins
- $0.635 \times 0.635$  mm
- Fastening & connection of secondary 3 pins  $\text{\AA}$  1 mm
- Recommended PCB hole 1.2 mm

# MODULE LAYOUT

