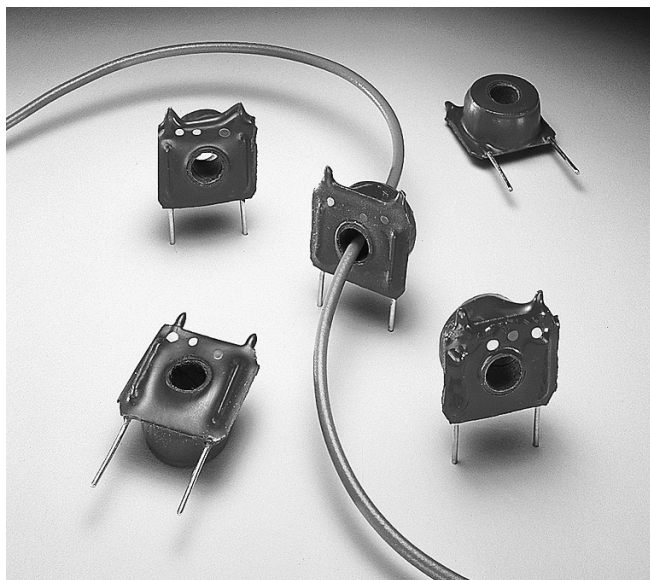




# 50/60Hz Current Sensor – CS60-010



This Coilcraft current sensor is intended for measuring current from 1 to 10 *A rms*. The sensor functions as the encapsulated secondary of a current transformer, while the conductor carrying the current to be measured serves as the “one turn primary.” Sensitivity may be enhanced by increasing primary turns.

Minimum wall thickness of the hole is 0.5 mm to meet IEC 380 and other requirements when used with an insulated conductor.

Applications include sensing branch circuit overload and detecting load drop or shutdown.

Coilcraft **Designer's Kit P403** contains two samples of this sensor and 15 samples of nine different high frequency current sensors. To order, contact Coilcraft or visit <http://order.coilcraft.com>.

| Part number <sup>1</sup> | Sensed current $I_{rms}$ | $V_{out}$ tolerance |
|--------------------------|--------------------------|---------------------|
| CS60-010_                | 1–10 <i>A rms</i>        | ±10%                |

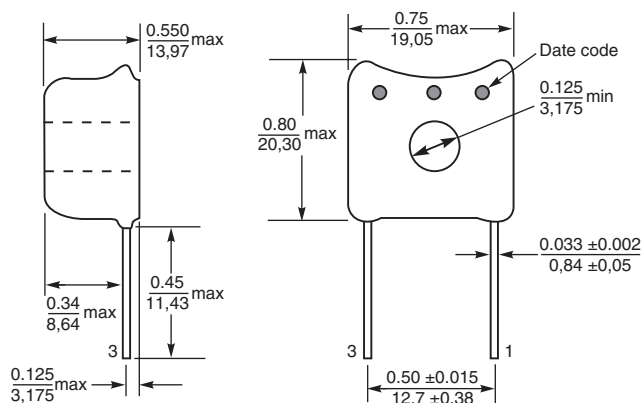
(For sensed current above 10 *A rms*, see CS60 data sheet)

- When ordering, please specify **termination** code:

**CS60-010L**

**Termination:** L = RoHS compliant tin-silver over copper.  
Special order: T = RoHS tin-silver-copper (95.5/4/0.5)  
or S = non-RoHS tin-lead (63/37).

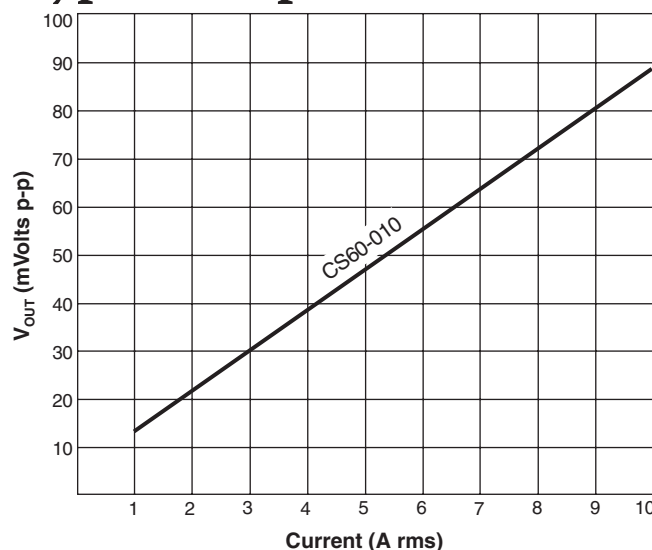
- Ambient temperature range –40°C to +85°C.
- Electrical specifications at 25°C.



Dimensions are in inches (mm)

Weight: 5.8 g

## Typical Response



## Typical Application

