

CST25-0050

Description:

Triad's CST25 series of current sense transformers are ideal for monitoring currents in high frequency applications such as switch-mode power supplies, LED lighting, etc. The CST25 series is offered with a built-in sense winding allowing for ease of use. These current sense transformers are fully encapsulated allowing for a high isolation of 4000 VAC between primary and secondary windings.

Construction:

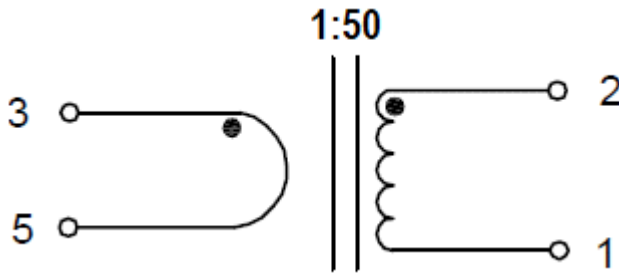
Constructed with UL rated 130°C (Class B) materials.

Electrical Specifications (@25°C) @ 10kHz, 0.01V

| Min. Sec. Inductance | Turns Ratio | Amps (RMS) | Max. DC (Ω) Resistance Sec. | Sec. Current Max (mA) | ET Max (Vusec) |
|----------------------|-------------|------------|-----------------------------|-----------------------|----------------|
| 4.7mH | 1:50 | 25 | 0.50 | 500 | 175 |

1. Frequency: 50kHz-500kHz
2. Operating Temperature: -40 – +100°C
3. Storage Temperature: -50°C – +110°C, ≤ 75% RH
4. ET = Volts-second product
5. Weight: 7g

CST25-0050 Schematic



Safety: 4000VAC Dielectric Strength between windings.

RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

Note: Order and shipping documentation may have a "- B" suffix; this indicates Bulk packaging but does not show on the actual part number marked on the transformer.

*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics website for the most current version. For soldering and washing information please see <http://www.triadmagnetics.com>

