

### CST25-0200

#### 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. There are five different popular turn ratios available to choose from.

#### Construction:

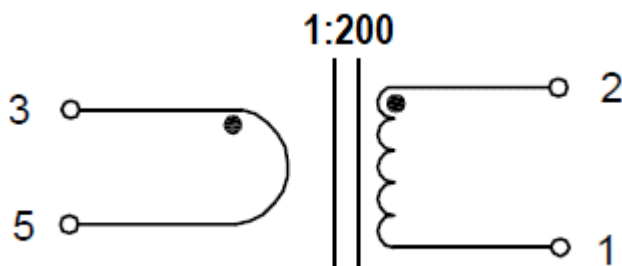
Constructed with UL rated 130°C (Class B) materials.

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

Min. Sec. Inductance	Turns Ratio	Amps (RMS)	Max. DC ( $\Omega$ ) Resistance Sec.	Sec. Current Max (mA)	ET Max (V <sub>usec</sub> )
76.0mH	1:200	25	4.50	125	700

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

#### CST25-0200 Schematic



**Safety:** 4000VAC Dielectric Strength between windings.

**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS 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 Magnetix website for the most current version. For soldering and washing information please see <http://www.triadmagnetics.com>

