

### CST25-0500

**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:**

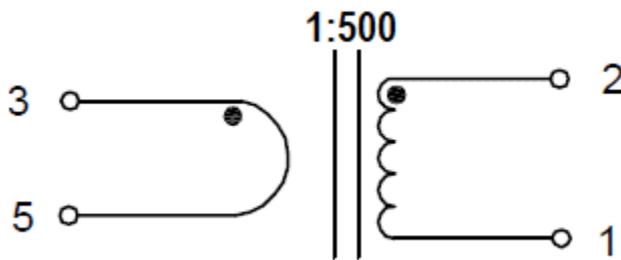
Constructed with UL rated 130°C (Class B) materials.

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

Min. Sec. Inductance	Turns Ratio	Amps (RMS)	Max. DC (Ω) Resistance Sec.	Sec. Current Max (mA)	ET Max (Vusec)
470mH	1:500	25	16.0	50	1750

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

**CST25-0500 Schematic**

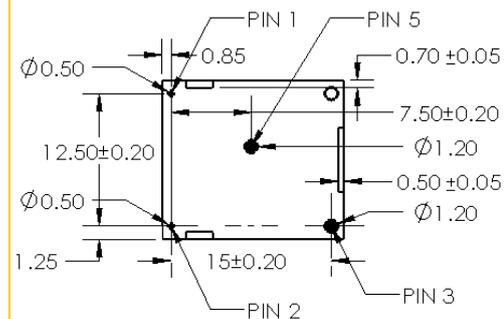
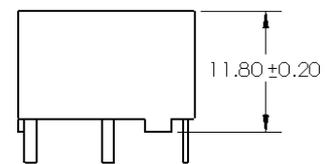
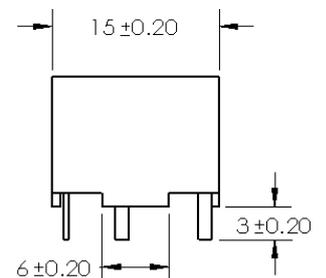
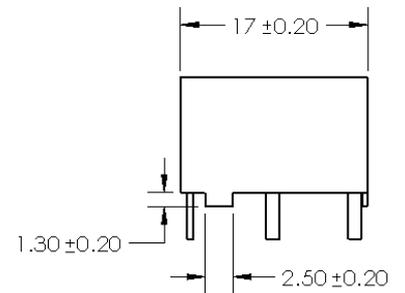
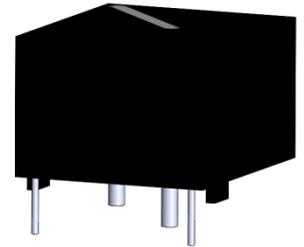


**Safety:** 4000VAC Dielectric Strength between windings.

**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>



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