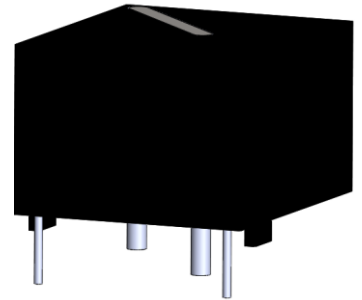


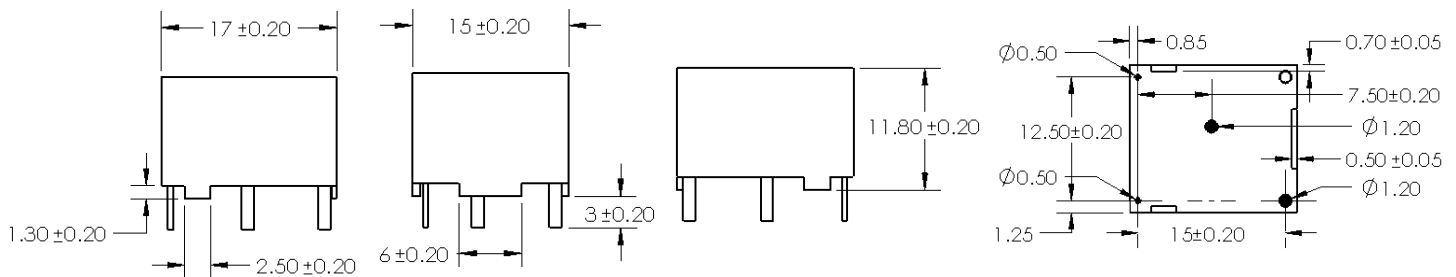
## CST25-Series

**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.



### Electrical Specifications (@25°C):

Triad P/N	Min. Sec. Inductance (mH)	Sec. Current Max (mA)	MAX Sec DCR (Ω)	V x T Max (VuS)	Turns Ratio
CST25-0050	4.7	500	0.5	175	1:50
CST25-0100	18.0	250	2.0	350	1:100
CST25-0200	76.0	125	4.5	700	1:200
CST25-0500	470	50	16.0	1750	1:500
CST25-1000	1900	25	50.0	3500	1:1000



### Technical Notes:

1. **Rated Primary Current: 25A**
2. **Rated Inductance (LR): Measured @ 10kHz, 0.01V, 25°C**
3. **Inductance Range: Available from 4.7mH to 1900mH**
4. **Operating Temperature: -40°C to +100°C**
5. **Storage Temperature: -50°C to +110°C ≤ 75% RH**
6. **Rated current to cause approximately 40°C temperature rise.**
7. **Operating Frequency: 50kHz-500kHz**
8. **Safety: 4000VAC Strength between windings.**

Custom designs available.

**RoHS Compliance:** As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative. \* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.