

Current Sense Transformer

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

Electrical operations (@20 0) @ Tokriz, 0:017					
Min. Sec.	Turns	Amps	Max. DC (Ω)	Sec.	ET
Inductance	Ratio	(RMS)	Resistance	Current Max	Max
			Sec.	(mA)	(Vusec)
470mH	1:500	25	16.0	50	1750

1. Frequency: 50kHz-500kHz

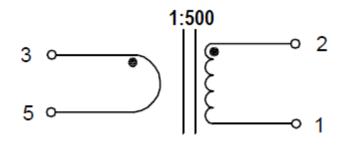
2. Operating Temperature: -40 - +100°C

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



