

# CST206-1T

**Description:**

Designed for switching power supply applications, Triad current sense transformers are used to detect the current passing through a conductor. These transformers are very reliable and operate over the frequency range of 20 kHz-200 kHz.

### Electrical Specifications (@25C)

| ET VμSEC<br>REF 20kHz | Turns<br>Count | Min.<br>Ind. mH | DCR Max. Ω | Pri. Amps |
|-----------------------|----------------|-----------------|------------|-----------|
| 2000                  | 100 CT         | 14.0            | .580       | 110.0 RMS |

### Safety:

These current sense transformers are constructed of UL rated 130°C materials.

### Dimensions:

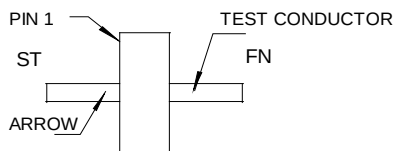
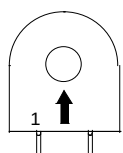
| A    | B     | C    | D    | E    | F    | G     | H    | I         |
|------|-------|------|------|------|------|-------|------|-----------|
| Min  | Max   | Ref  | Ref  | Ref  | Max  | Max   | Ref  | Dia. Pins |
| .360 | 1.225 | .700 | .127 | .500 | .400 | 1.075 | .250 | .045      |

Units: In inches

### Technical Notes:

1. Derate ET product by 32% for 50 kHz, 52% for 100 kHz and 50% for unidirectional operation.
2. Rated primary current renders approximately 40°C temp. rise.
3. Maximum recommended terminating resistance of 1 ohm per turn.
4. Primary is inserted through hole in casting.

1. START OF TEST CONDUCTOR TO HAVE THE SAME POLARITY AS PIN 1
2. DECAL ARROW ON CASE TO INDICATE POLARITY



POLARITY DETAIL TOP VIEW

**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. For soldering and washing information please see <http://www.triadmagnetics.com/faq.html>

