CST206-1A

**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)**

<table>
<thead>
<tr>
<th>ET VµSEC</th>
<th>Turns Count</th>
<th>Min. Ind. mH</th>
<th>DCR Max. Ω</th>
<th>Pri. Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF 20kHz</td>
<td>2000</td>
<td>100</td>
<td>14.0</td>
<td>.580</td>
</tr>
</tbody>
</table>

1. Operating Temperature: -40°C to +85°C
2. Storage Temperature: -50°C to +95°C

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

**Dimensions:**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min</td>
<td>Max</td>
<td>Ref</td>
<td>D</td>
<td>Ref</td>
<td>Max</td>
<td>D</td>
<td>Max</td>
</tr>
<tr>
<td>.360</td>
<td>1.225</td>
<td>.700</td>
<td>.127</td>
<td>.500</td>
<td>.400</td>
<td>1.075</td>
<td>.045</td>
</tr>
</tbody>
</table>

Units: In inches

**Technical Notes:**
1. Derate ET product by 32% for 50 kHz, 52% for 100Hz 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.

**RoHS Compliance:** As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 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](http://www.triadmagnetics.com/faq.html)