Current Sense Transformers

CST206-3A

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 REF 20kHz</th>
<th>Turns Count</th>
<th>Min. Ind. mH</th>
<th>DCR Max. Ω</th>
<th>Pri. Amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>6000</td>
<td>300</td>
<td>130.0</td>
<td>12.40</td>
<td>70.0 RMS</td>
</tr>
</tbody>
</table>

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

Dimensions:

<table>
<thead>
<tr>
<th>A Min</th>
<th>B Max</th>
<th>C Ref</th>
<th>D Ref</th>
<th>E Max</th>
<th>F Ref</th>
<th>G Max</th>
<th>H Dia. Pins</th>
</tr>
</thead>
<tbody>
<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 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.

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

Web: www.TriadMagnetics.com
Phone 951-277-0757
Fax 951-277-2757
460 Harley Knox Blvd.
Perris, California  92571
Publish Date: April 18, 2019