Through Hole Current Sense Transformers
VDE Approved

Meet IEC950 insulation requirements
4250VRMS primary to secondary breakdown voltage
Frequency range 10kHz to 200kHz

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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Ipk (Amps)</th>
<th>Rs (Ω)</th>
<th>Droop (%)</th>
<th>Kn (Volt/Amp)</th>
<th>Ls (mH MIN)</th>
<th>Dcr (ΩMAX)</th>
<th>Turns (N ± 1%)</th>
<th>Ks</th>
<th>Kcl</th>
<th>Rs (mΩ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-67050NL</td>
<td>35</td>
<td>15</td>
<td>2.4</td>
<td>0.30</td>
<td>5.0</td>
<td>0.70</td>
<td>50</td>
<td>.269 x 10^-6</td>
<td>51.2 x 10^-6</td>
<td>.95</td>
</tr>
<tr>
<td>PE-67100NL</td>
<td>37</td>
<td>56</td>
<td>2.2</td>
<td>0.56</td>
<td>20</td>
<td>1.40</td>
<td>100</td>
<td>.0671 x 10^-6</td>
<td>1.56 x 10^-4</td>
<td>.85</td>
</tr>
<tr>
<td>PE-67200NL</td>
<td>38</td>
<td>200</td>
<td>2.0</td>
<td>1.00</td>
<td>80</td>
<td>4.50</td>
<td>200</td>
<td>.0168 x 10^-5</td>
<td>47.3 x 10^-9</td>
<td>.82</td>
</tr>
<tr>
<td>PE-67300NL</td>
<td>37</td>
<td>510</td>
<td>2.2</td>
<td>1.70</td>
<td>180</td>
<td>11.0</td>
<td>300</td>
<td>.00746 x 10^-6</td>
<td>6.13 x 10^-9</td>
<td>.84</td>
</tr>
</tbody>
</table>

Notes:
1. These current sense transformers have a 1 turn primary winding, secondary turns (Ns) as indicated in the table, and a 130°C insulation system.
2. The reference values are for unipolar operation, 50kHz, 40% duty factor, and an estimated 55°C temperature rise.
3. The maximum useful peak sense current (Ipk) depends on the temperature rise or core saturation, which should be evaluated for the operating conditions.
4. These Current Sense Transformers are recommended for switch mode power supply applications, unipolar or bipolar, operating at frequencies from 10kHz to 200kHz.
5. The maximum recommended operating flux density (Bop) is 2000 gauss to prevent saturation at an operating temperature of 105°C.

For More Information

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