### VDE Approved
- Designed for switching power supply applications
- Transformer meets EN62368-1 insulation requirements
- Frequency range from 20kHz to 200kHz

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#### Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Transformer with 2-T Primaries</th>
<th>Schem. Number</th>
<th>Turn Ratio</th>
<th>Secondary Inductance</th>
<th>Secondary Inductance Test Voltage (15.75 KHz)</th>
<th>RS (Ω MAX)</th>
<th>RT (Ω MAX)</th>
<th>Primary Unipolar Amp µSec. Rating (MAX)</th>
<th>Primary Bipolar Amp µSec. Rating (MAX)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-63586NL</td>
<td>1C</td>
<td>PE-63586N</td>
<td>1A</td>
<td>PE-51686NL</td>
<td>2A</td>
<td>50</td>
<td>5.0</td>
<td>0.5</td>
<td>0.7</td>
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<td>1C</td>
<td>PE-63587NL</td>
<td>1A</td>
<td>PE-51687NL</td>
<td>2A</td>
<td>100</td>
<td>2.0</td>
<td>1.0</td>
<td>1.40</td>
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<tr>
<td>PE-64488NL</td>
<td>1C</td>
<td>PE-63588NL</td>
<td>1A</td>
<td>PE-51688NL</td>
<td>2A</td>
<td>200</td>
<td>80.0</td>
<td>2.0</td>
<td>4.50</td>
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<tr>
<td>PE-64518NL</td>
<td>1D</td>
<td>PE-63618NL</td>
<td>1B</td>
<td>PE-51718NL</td>
<td>2B</td>
<td>100CT</td>
<td>20.0</td>
<td>1.0</td>
<td>1.40</td>
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<tr>
<td>PE-64519NL</td>
<td>1D</td>
<td>PE-63619NL</td>
<td>1B</td>
<td>PE-51719NL</td>
<td>2B</td>
<td>200CT</td>
<td>80.0</td>
<td>2.0</td>
<td>4.50</td>
</tr>
</tbody>
</table>

**Notes:**
1. Maximum ratings specified with rated secondary terminating resistance and 1 turn primary.
2. Amp-microsecond (AµSec) rating of primary equals volt microsecond (VµSec) rating of secondary when secondary is terminated in rated resistance. (Amp - microseconds is equal to the product of a square pulse of current in amps, times the current pulse width in microseconds.)
3. Maximum operating temperature 105°C (ambient plus rise).
4. When terminated with rated terminating resistance, the inductor scale factor is Yout = 1 volt per amp. for center tapped units terminating resistance for each half of winding is listed value divided by two.
5. 1 turn primary peak sense current is 20 amps for all parts listed above.
THT Current Sense
Transformers & Inductors

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