**NEW!**

**Coupled Inductors/Transformers**  
LPH8045

- Three 1:1 windings can be wired in a variety of ways: As a 1:1, 2:1 or 1:2 transformer; as a 1:1 transformer with an aux winding; as a gate drive transformer; as a SEPIC inductor, etc.
- Low DCR; excellent current handling
- 200 Vrms, one minute isolation (hipot) between windings

**Core material** Ferrite  
**Environmental** RoHS compliant, halogen free

**Specifications**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Inductance (±20% (µH))</th>
<th>DCR (Ohms)</th>
<th>SRF typ (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPH8045-682MR_</td>
<td>6.8</td>
<td>0.208</td>
<td>0.223</td>
</tr>
<tr>
<td>LPH8045-822MR_</td>
<td>8.2</td>
<td>0.228</td>
<td>0.250</td>
</tr>
<tr>
<td>LPH8045-103MR_</td>
<td>10</td>
<td>0.241</td>
<td>0.261</td>
</tr>
<tr>
<td>LPH8045-153MR_</td>
<td>15</td>
<td>0.306</td>
<td>0.331</td>
</tr>
<tr>
<td>LPH8045-223MR_</td>
<td>22</td>
<td>0.390</td>
<td>0.395</td>
</tr>
</tbody>
</table>

1. When ordering, please specify **packaging** code:
   - LPH8045-105MR C: 7” machine-ready reel. EIA-481 embossed plastic tape (250 parts per full reel).
   - B: Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter C instead.
   - D: 13” machine-ready reel. EIA-481 embossed plastic tape. Factory order only, not stocked (1000 parts per full reel).
   2. Inductance is for each winding, measured at 200 kHz, 0.1 Vrms, 0 Adc.
   3. DCR is for each winding.
   4. DC current at 25°C that causes the specified inductance drop from its value without current.
   5. Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.
   6. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

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**Dimensions**

- Dimensions are in inches mm

**Recommended Land Pattern**

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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.
LPH8045 Coupled Inductors / Transformers

L vs Current

L vs Frequency

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