Flyback Transformer for Maxim MAX17497A/B Peak-Current-Mode Converters

- Low profile, surface mount flyback transformer
- Developed for use with the Maxim MAX17497A/MAX17497B AC-DC and DC-DC Peak-Current-Mode Converters for wide input-voltage nonisolated power supplies to supply multiple output rails for smart meters, industrial control and similar applications.
- Universal input; multiple outputs
- Meets functional insulation class for use in nonisolated applications.
- 1000 Vrms isolation, one minute from primary to secondary

Core material  Ferrite
Terminations  RoHS matte tin over nickel over phos bronze
Weight 5.1 g
Ambient temperature -40°C to +85°C
Storage temperature Component: -40°C to +85°C. Tape and reel packaging: -40°C to +80°C
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332
Packaging 200/13" reel  Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 9.6 mm pocket depth
PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

<table>
<thead>
<tr>
<th>Part number</th>
<th>Inductance at 0 Adc^2 ±10% (µH)</th>
<th>Inductance at 0.4 Adc^2 typ (µH)</th>
<th>DCR max (Ohms)</th>
<th>Leakage inductance max (µH)</th>
<th>Turns ratio</th>
<th>Output</th>
<th>Isolation (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR8076-AL_</td>
<td>250</td>
<td>237.5</td>
<td>0.044 (pins 7 – 8)</td>
<td>2.7</td>
<td>1 : 0.125 : 0.042 : 0.083</td>
<td>15 V, 0.65 A</td>
<td>7.5 V, 0.7 A</td>
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<td></td>
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<td></td>
<td>0.016 (pins 6 – 7)</td>
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<tr>
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<td></td>
<td>0.030 (pins 5 – 6)</td>
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<td></td>
<td>0.306 (pins 1 – 4)</td>
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</tbody>
</table>

1. When ordering, please specify packaging code:

**CR8076-AL,D**

Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (200 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance is for the primary, measured at 250 kHz, 0.1 Vrms.
3. Isolation is from primary to secondary, tested for one minute.
4. Operating temperature range -40°C to +85°C.
5. Electrical specifications at 25°C.

Dimensions are in inches mm

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**Recommended Land Pattern**

- Dimensions are in inches mm
- Recommended dimensions for PCB washing: Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

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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 website for latest information.

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