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 Adc² ±10% (µH)</th>
<th>Inductance at 0.4 Adc² 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>1000</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>0.016 (pins 6 - 7)</td>
<td></td>
<td></td>
<td>7.5 V, 0.7 A</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>0.030 (pins 5 - 6)</td>
<td></td>
<td></td>
<td>5 V, 0.7 A</td>
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<tr>
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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).
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter D instead.

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.

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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.