The C0984-CL transformer is designed specifically for the Maxim MAX5074 isolated PWM power IC in a forward DC-DC converter. It can be used in power supplies for IEEE 802.3af-compliant PoE applications, IP phones, WLAN Access-Points and a variety of other telecom applications with an input voltage range from 36 V to 72 V.

This transformer features very low secondary winding DCR and 1500 Vrms isolation from the primary and bias windings to the secondary.

Coilcraft can also custom engineer a transformer to meet your specific requirements. For free evaluation samples, contact Coilcraft or visit www.coilcraft.com.

## Power Transformer

**For Maxim MAX5074 Isolated PWM Power IC**

---

### Specifications

<table>
<thead>
<tr>
<th>Part number</th>
<th>Power</th>
<th>Inductance¹</th>
<th>DCR max (Ohms)</th>
<th>Leakage inductance²</th>
<th>Turns ratio</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>C0984-CL___</td>
<td>18 W</td>
<td>395</td>
<td>0.127 pri</td>
<td>0.875 bias</td>
<td>1.75 pri:sec</td>
<td>12 V, 1.5 A (sec)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.065 sec</td>
<td></td>
<td>1.0:0.44 pri: bias</td>
<td>14 V, 0.03 A (bias)</td>
</tr>
</tbody>
</table>

1. When ordering, please specify a packaging code:

   **C0984-CLD**

   **Packaging:**
   - **D** = 13" machine ready reel. EIA-481 embossed plastic tape (200 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 10 kHz, 0.1 Vrms, 0 Adc.
3. Leakage inductance is for the primary winding with the other windings shorted.
4. Operating temperature range –40°C to +125°C.
5. Electrical specifications at 25°C.

---

**Recommended Land Pattern**

---

**Weight** 5.8 g

**Terminations** Tin-silver (96.5/3.5) over tin over nickel over phos bronze

**Ambient temperature** –40°C to +125°C

**Storage temperature** Component: –40°C to +125°C.
Tape and reel packaging: –40°C to +80°C

**Packaging** 200/13” reel

**PCB washing** Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc 787_PCB_Washing.pdf

---

**Dimensions are in** inches

---

**Parts manufactured prior to December 2011 may be marked differently.**

---

**PCB Design Reference**

---

**Document 441 Revised 12/20/11**

© Coilcraft Inc. 2021

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.