Miniature SMT Wideband Transformer

- Miniature wideband transformer: 4.19 × 2.92 × 2.3 mm high
- 300 Vrms interwinding isolation
- 250 mA max current rating

Core material  Ferrite
Terminations  Tin-silver-copper over silver-platinum-glass frit. Other terminations available at additional cost.
Ambient temperature  –40°C to +85°C
Storage temperature  Component: –40°C to +85°C.
                 Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat  Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL)  1 (unlimited floor life at <30°C / 85% relative humidity)
Packaging  750/7” reel; Plastic tape: 12 mm wide, 0.3 mm thick, 8 mm pocket spacing, 2.9 mm pocket depth

<table>
<thead>
<tr>
<th>Part number</th>
<th>Impedance ratio</th>
<th>Bandwidth</th>
<th>Insertion loss max</th>
<th>Pins 1–3 (primary)</th>
<th>Pins 6–4 (secondary)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP-N0532-02B1L_</td>
<td>1:2</td>
<td>0.27–1400</td>
<td>0.7</td>
<td>L min3 (µH) 10</td>
<td>L min4 (µH) 20</td>
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<td>DCR max3 (mOhm) 110</td>
<td>DCR max4 (mOhm) 150</td>
</tr>
</tbody>
</table>

1. When ordering, please specify termination and testing codes:
   - CP-N0532-02B1LZ
     - Termination:  L = Tin-silver-copper (95.5/4/0.5) over silver palladium-platinum-glass frit.
     - Testing:  Z = Unscremed
     - Special order:  S = Tin-lead (63/37).

2. Impedance ratio is for the full primary winding to the full secondary winding.
3. Inductance measured at 100 kHz, 0.1 V, 0 Adc on a Volttech AT3600 or equivalent.
4. DCR measured on a Volttech AT3600 or equivalent.
5. Electrical specifications at 25°C. Measurements are referenced to 50 Ohms. Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

Typical Frequency Response
(Measured on a network analyzer, re: 50 Ohms)

Dimensions are in inches mm

Suggested Land Pattern

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