AUDIO TRANSFORMER

Ruggedized

**PL3141**

- **Typical Applications:** Telephone Sets, PBX's, DLC Systems, Central office Switches
- **Optimized insertion loss and return loss for audio frequency range, including voiceband**
- **Operating/Storage Temperature:** -40°C to +85°C
- **Designed for 600Ω line impedance**
- **Frequency response:** 3 0.5dB @300Hz-3.5KHz
- **Terminal finish:** matte tin alloy solder over nickel layer
  - Sn10Pb90 finish for non-RoHS products
  - Sn100 finish for RoHS products using NL suffix
- **Moisture Sensitivity Level:** 1

### Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Primary Impedance 1KHz/1.0Vrms SEC @600 Ω (Ω ±10%)</th>
<th>Insertion Loss 1KHz/1.0Vrms (dB MAX)</th>
<th>DCR (Ω MAX)</th>
<th>Turns Ratio (±2%)</th>
<th>Hi-Pot @1.0mA / 1s (VAC MIN)</th>
<th>Pri : Sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL3141</td>
<td>600</td>
<td>1.5</td>
<td>(2-4)</td>
<td>(7-9)</td>
<td>(2-4):(7-9)</td>
<td>1000</td>
</tr>
</tbody>
</table>

**Note:**
1. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. PL3141 becomes PL3141T).
2. Suffix "NL" for RoHS (Sn100 Lead Finish); i.e. PL3141NL

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**Mechanical**

**Schematic**

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**For More Information**

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