RF Pulse Transformer
350 - 1125 MHz

Features
- 50 Ω Unbalanced to Dual 100 Ω Unbalanced
- Unbalanced or 200 Ω Balanced
- Low Insertion Loss
- Accessible Center Tap for DC Bias
- MIL-STD-202 Screening Available

Applications
- Aerospace & Defense
- ISM

Description
The transformer coupled balun can provide a wide frequency range. DC isolation from primary coil to secondary coil is also a feature of this device.

Electrical Specifications: \( T_A = -55^\circ C - +85^\circ C \)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Test Conditions</th>
<th>Units</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impedance</td>
<td>Input: Unbalanced Output: Balanced</td>
<td>Ω</td>
<td>—</td>
<td>50</td>
<td>—</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>500 - 1000 MHz</td>
<td>dB</td>
<td>—</td>
<td>—</td>
<td>1</td>
</tr>
<tr>
<td>VSWR</td>
<td>500 - 1000 MHz 350 - 1125 MHz</td>
<td>Ratio</td>
<td>—</td>
<td>—</td>
<td>1.5:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.5:1</td>
</tr>
<tr>
<td>Input Power</td>
<td>350 - 1125 MHz</td>
<td>W</td>
<td>—</td>
<td>—</td>
<td>3</td>
</tr>
</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP-108-PIN</td>
<td>tape &amp; reel</td>
</tr>
</tbody>
</table>
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Typical Performance Curves

Insertion Loss

VSWR

Outline (FP-1)

Dimensions in 0 are in mm
Unless Otherwise Noted: XXX ±0.010 (XXX ±0.25)
XX ±0.02 (X ±0.5)
WEIGHT (APPROX): 0.07 OUNCES 2 GRAMS
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