Surface Mount
RF Transformer

50Ω  8 to 600 MHz

Maximum Ratings
- Operating Temperature: -20°C to 85°C
- Storage Temperature: -55°C to 100°C
- RF Power: 1W
- DC Current: 30mA

Pin Connections
- PRIMARY DOT: 3
- PRIMARY: 1
- SECONDARY DOT: 4
- SECONDARY: 6
- SECONDARY CT: 5
- NOT USED: 2

Features
- excellent return loss, 15 dB typ.
- excellent amplitude unbalance, 0.1 dB typ.
- phase unbalance, 1 deg. typ.
- high RF power up to 1 watt
- aqueous washable
- protected under US patent 6,133,525

Applications
- impedance matching
- baluns

Transformer Electrical Specifications

<table>
<thead>
<tr>
<th>RATIO</th>
<th>FREQUENCY (MHz)</th>
<th>INSERTION LOSS*</th>
<th>PHASE UNBALANCE (Deg.)</th>
<th>AMPLITUDE UNBALANCE (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 dB MHz</td>
<td>2 dB MHz</td>
<td>1 dB MHz</td>
<td>1 dB bandwidth</td>
</tr>
<tr>
<td>2</td>
<td>8-600</td>
<td>8-600</td>
<td>10-400</td>
<td>13-300</td>
</tr>
</tbody>
</table>

* Insertion Loss is referenced to mid-band loss, 0.5 dB typ.

For detailed performance specs & shopping online see web site minicircuits.com

Demo Board MCL P/N: TB-430

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet.
2. Electrical specifications and performance data contained herein are based on Mini-Circuits’ applicable established test performance criteria and measurement instructions.
3. The parts covered by this specification sheet are subject to Mini-Circuits’ standard limited warranty and terms and conditions (collectively, “Standard Terms”). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits’ website at www.minicircuits.com/MCLStore/terms.jsp.

RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

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