Surface Mount
RF Transformer
50Ω 0.07 to 200 MHz

Maximum Ratings
Operating Temperature  -20°C to 85°C
Storage Temperature -55°C to 100°C
RF Power  0.25W
DC Current  30mA
Permanent damage may occur if any of these limits are exceeded.

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

Features
- wideband, 0.07 to 200 MHz
- good return loss
- also available with plug-in (X65) flat pack (W38) leads

Applications
- balanced to unbalanced transformation
- balanced antennas
- push-pull amplifiers

Transformer Electrical Specifications

<table>
<thead>
<tr>
<th>D RATIO</th>
<th>FREQUENCY (MHz)</th>
<th>3 dB MHz</th>
<th>2 dB MHz</th>
<th>1 dB MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0.07-200</td>
<td>0.07-200</td>
<td>0.1-100</td>
<td>0.5-50</td>
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</tbody>
</table>

*Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

Notes
A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit’s applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document 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

Available Tape and Reel
Available at no extra cost

T2-1T-KK81+
RoHS Compliant

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

Outline Dimensions (inch / mm)

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
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<tbody>
<tr>
<td>in</td>
<td>.30</td>
<td>.27</td>
<td>.23</td>
<td>.10</td>
<td>.042</td>
<td>.020</td>
<td>.100</td>
<td>.05</td>
<td>.05</td>
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<tr>
<td>mm</td>
<td>7.62</td>
<td>6.86</td>
<td>5.84</td>
<td>2.55</td>
<td>1.07</td>
<td>.061</td>
<td>2.64</td>
<td>1.27</td>
<td>1.27</td>
</tr>
</tbody>
</table>

K L M N P Q R S wt

|    | A   | B   | C   | D   | E   | F   | G   | H   | J   | K   | L   | M   | N   | P   | Q   | R   | S   | wt   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| in | .020| .036| .26 | .575| .600| .125| .050| .100| grams |
| mm | .51 | .91 | 6.60| 14.61| 15.24| 3.18| 1.27| 2.64| 0.50  |

Config. A

PRI
SEC

Mini-Circuits
www.minicircuits.com P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

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