Surface Mount
RF Transformer

TC4-1T

50Ω .5 to 300 MHz

Maximum Ratings
- Operating Temperature: -20°C to 85°C
- Storage Temperature: -55°C to 100°C
- RF Power: .25W
- DC Current: 30mA

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

Outline Drawing AT224

Outline Dimensions (inch/ mm)

| Model No. | Ratio | Frequency (MHz) | Insertion Loss*
|-----------|-------|-----------------|-----------------
| TC4-1T (+) | 4     | 5-300           | 3 dB MHz | 1.5-100

* Insertion Loss is referenced to mid-band loss, 13 dB typ.

Features
- Wide band .5-300 MHz, usable over .2-450 MHz
- Good return loss
- Impedance matching
- Leadless surface mount
- Aqueous washable

Applications
- CATV

Transformer Electrical Specifications

<table>
<thead>
<tr>
<th>FREQUENCY (MHz)</th>
<th>INPUT R. LOSS (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.50</td>
<td>0.51</td>
</tr>
<tr>
<td>1.00</td>
<td>0.44</td>
</tr>
<tr>
<td>2.00</td>
<td>0.27</td>
</tr>
<tr>
<td>5.00</td>
<td>0.30</td>
</tr>
<tr>
<td>7.00</td>
<td>0.32</td>
</tr>
<tr>
<td>10.00</td>
<td>0.36</td>
</tr>
<tr>
<td>150.00</td>
<td>0.40</td>
</tr>
<tr>
<td>200.00</td>
<td>0.45</td>
</tr>
<tr>
<td>250.00</td>
<td>0.54</td>
</tr>
<tr>
<td>300.00</td>
<td>0.62</td>
</tr>
</tbody>
</table>

Typical Performance Data

Insertion Loss vs Frequency (MHz)

Config. A

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