ETC16-1T-2TR

E-Series RF 1:16 Transformer
5-40 MHz

Rev. V3

Features
- 1:16 Impedance Ratio
- CT on Secondary
- Surface Mount
- Tape and reel packaging available
- 260°C Reflow Compatible

Description
M/A-COM’s ETC16-1T-2TR is a 1:16 RF transformer in a low cost, surface mount package. Ideally suited for high volume cellular and wireless applications. Typical applications include single to balanced mode conversion and impedance matching. The ETC16-1T-2TR is available in a SM-22 surface mount package. Parts are packaged in tape & reel.

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Package</th>
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</thead>
<tbody>
<tr>
<td>ETC16-1T-2TR</td>
<td>Tape and Reel (2000 piece Reel)</td>
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</table>

Absolute Maximum Ratings

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Absolute Maximum</th>
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<tbody>
<tr>
<td>RF Power</td>
<td>250 mW</td>
</tr>
<tr>
<td>DC Current</td>
<td>240 mA</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-55°C to +125°C</td>
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</table>

1. Exceeding any one or combination of these limits may cause permanent damage to this device.
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Typical Performance Curves at +25°C
SM - 22 Package

Insertion Loss

Amplitude Balance

Phase Balance

Input Return Loss

Dimensions are inches (millimeters) ±0.015 (0.38) unless otherwise specified.