RESISTIVE PICK-OFF TEE

**PT-0030**

**Features**
- Broadband (DC – 30 GHz)
- Flat 16 dB pick-off loss
- Excellent pick-off flatness near DC
- Small package size

**Electrical Specifications** - Specifications guaranteed from -55 to +100°C, measured in a 50-Ohm system.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Frequency (GHz)</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insertion Loss (dB)</td>
<td>DC to 30.0 GHz</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pick-Off Loss (dB)</td>
<td></td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Through Line Return Loss (dB)</td>
<td></td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pick – Off Return Loss (dB)</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Power Handling (W)</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PT-0030</td>
<td>DC to 30 GHz Pick-Off Tee with 2.92 mm connectors</td>
</tr>
</tbody>
</table>

Backside Label
**RESISTIVE PICK-OFF TEE**

**PT-0030**

**DC to 30.0 GHz**

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**Schematic**

1

2

3

4

200 Ohm

200 Ohm

**Typical Performance**

**Fig. 1. Through line and pick-off insertion losses.**

**Fig. 2. Through line and pick-off return losses.**

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**DATA SHEET NOTES:**

1. Maximum total power without damage is load dependent. Maximum power for each 200 ohm resistor is +17 dBm (.05W) at +70°C.

2. Specifications are subject to change without notice. Contact Marki Microwave for the most recent specifications and data sheets.

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