MACP-011037

10 dB Coupler
5 - 1225 MHz

Features
- 10 dB Coupling Ratio
- Surface Mount
- Available on Tape and Reel
- Excellent Temperature Stability
- RoHS Compliant and lead free
- 260°C Reflow Compatible

Description
The MACP-011037 is a 10 dB coupler in a low cost, surface mount package. Ideally suited for broadband CATV applications.

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACP-011037</td>
<td>900 piece reel</td>
</tr>
<tr>
<td>MACP-011037-TB</td>
<td>Sample Test Board</td>
</tr>
</tbody>
</table>

Pin Configuration

<table>
<thead>
<tr>
<th>Pin No.</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Input</td>
</tr>
<tr>
<td>2</td>
<td>Ground</td>
</tr>
<tr>
<td>3</td>
<td>Coupled</td>
</tr>
<tr>
<td>4</td>
<td>Isolated</td>
</tr>
<tr>
<td>5</td>
<td>Output</td>
</tr>
</tbody>
</table>
10 dB Coupler  
5 - 1225 MHz  

Electrical Specifications:  Freq. = 5 - 1225 MHz, T_A = 25°C, Z_0 = 75 Ω, P_in = 0 dBm

### Absolute Maximum Ratings

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Absolute Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Power</td>
<td>0.5 W</td>
</tr>
<tr>
<td>DC Current</td>
<td>500 mA</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
</tr>
</tbody>
</table>

### Application Schematic

![Application Schematic Diagram]
Typical Performance Curves

1. Full temperature plots available on request.
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Rev. V3

Outline Drawing

PCB Layout

Carrier Tape Orientation

Tape & Reel Information

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