Model 1D0263-3

Hybrid Couplers
3 dB, 90°

Applications
• Microstrip Circuits
• Divider/Combiners
• Switch Networks
• Balanced Detectors
• Antenna Feeds

Features
• Welded Tab Mount
• 2-Way Power Split
• Reliable Performance
• Handles 200 Watts

Electrical Specifications

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Isolation dB Min/Typ</th>
<th>Insert. Loss dB Max</th>
<th>VSWR Max : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 - 550</td>
<td>20/25</td>
<td>0.30</td>
<td>1.20/1.10</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Amp. Bal. dB Max</th>
<th>Phase Bal. Degrees Max</th>
<th>Power Ave. CW Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>±0.50</td>
<td>±2.0</td>
<td>200</td>
</tr>
</tbody>
</table>

Notes:
- Electrical specifications apply only with properly designed test fixtures. Testing is done at ambient temperature only. Sample testing is performed to MIL-STD-105, Level 2, AQL 1.0. Test includes coupling, amplitude balance, insertion loss and isolation. If your application requires additional testing, consult Anaren Power rating applies when solder tab/coupler interface has been conformally coated. Impedance: 50 ohms. Meets MIL-E-5500 Class 3 requirements. Additional screening available for military and space applications. Electrical and Mechanical Specifications subject to change without notice.

Outline Drawing

NOTES:
1. DIMENSIONS ARE IN INCHES OVER (MILLIMETERS)
2. MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-130
3. FINISH: CHEMICAL CONVERSATION COAT (CLEAR) PER MIL-C-5541, CLASS 1A
4. SOLDER TAB:
   4.1 MATERIAL: FLAT WIRE, COPPER-061, PER ASTM-B-272
   4.2 FINISH: GOLD PLATE PER MIL-G-45204, TYPE 3, GRADE A, CLASS 00. OVER NICKEL SULFAMATE FLASH PER QQ-N-290, CLASS I.