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 Min/Typ dB</th>
<th>Insert. Loss Max dB</th>
<th>VSWR Max : 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 - 500</td>
<td>20/25</td>
<td>0.30</td>
<td>1.20/1.10</td>
</tr>
</tbody>
</table>

Amp. Bal. dB Max | Phase Bal. Degrees Max | Power Ave. CW Watts |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></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-5400 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.