**ELECTRICAL SPECIFICATIONS:**

1.) FREQUENCY RANGE: 2400 - 6000 MHz
2.) IMPEDANCE: 50 OHMS
3.) INSERTION LOSS (MAX): 0.8 dB (ABOVE 4.77 dB SPLIT)
4.) AMPLITUDE BALANCE (MAX): 0.3 dB
5.) PHASE BALANCE (MAX): 4 DEGREES
6.) ISOLATION (MIN): 17 dB
7.) INPUT VSWR (MAX): 1.50 : 1
8.) OUTPUT VSWR (MAX): 1.40 : 1

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**MECHANICAL SPECIFICATIONS:**

1.) CONNECTORS: TYPE-N FEMALE (JACK), 50 OHM
2.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE
3.) CONNECTOR PIN: PHOSPHOR BRONZE, GOLD PLATE
4.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
5.) HOUSING: ALUMINUM, CLEAR CHEM FILM
6.) SOLDER: LEAD FREE, RoHS COMPLIANT
7.) PROTECTION RATING: IP67 WATER AND WEATHER RESISTANT
8.) OPERATING TEMP: -65°C TO +85°C
9.) WEIGHT: 317 GRAMS

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**RF INPUT POWER RATING (POWER DIVIDER SPLITTER):**

<table>
<thead>
<tr>
<th>INTO MATCHED LOAD VSWR's</th>
<th>IN-PHASE</th>
<th>180° OUT-OF-PHASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2 : 1</td>
<td>30 WATTS</td>
<td>30 WATTS</td>
</tr>
<tr>
<td>2.0 : 1</td>
<td>30 WATTS</td>
<td>15 WATTS</td>
</tr>
<tr>
<td>∞</td>
<td>15 WATTS</td>
<td>1.5 WATTS</td>
</tr>
</tbody>
</table>

**RF INPUT POWER RATING (POWER COMBINER):**

- COHERENT SIGNALS (IN-PHASE) 3 X 10 WATTS
- COHERENT SIGNALS (180° OUT-OF-PHASE) 3 X 0.5 WATTS
- NON-COHERENT SIGNALS 3 X 1 WATTS
- OTHER CONDITIONS - CONSULT FACTORY

**DIMENSIONS:**

- N-JACK, 4X
- THRU, 2X
- Ø0.125
- 1.24 [31.5]
- 2.48 [63.0]
- 1.54 [39.1]
- .65 [16.3]
- .12 [2.9]
- 2.850 [72.39]
- .54 [13.7]
- 1.000 [25.40]
- .44 [11.1]
- .88 [22.2]
- 3.08 [78.2]

**TOLERANCES:**

<table>
<thead>
<tr>
<th>INCHES</th>
<th>MILLIMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>±.00 = ±.01</td>
<td>±0 = ±.25</td>
</tr>
<tr>
<td>±000 = ±.004</td>
<td>±00 = ±.10</td>
</tr>
</tbody>
</table>

**REV.** DESCRIPTIO **BY** DATE | MODEL NO.**TITLE**

| 12 | 1.24 | 2.48 |

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PD2468
DIVIDER/COMBINER

instockwireless.com

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www.instockwireless.com

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REV: 12
DESCRIPTION: 3 WAY POWER DIVIDER COMBINER, N-TYPE,
2400 - 6000 MHz, 30W, 50 OHM, 0 DEGREE,
(IN-PHASE), RoHS, IP67 WEATHERPROOF

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DRAWN: MJD
APPROVED: EMM
DATE: 08/25/11
DATE: 08/25/11