**ELECTRICAL SPECIFICATIONS:**

1. **FREQUENCY RANGE:** 698 - 2700 MHz
2. **IMPEDANCE:** 50 OHMS
3. **INSERTION LOSS (MAX):** 0.4 dB (ABOVE 3.01 dB SPLIT)
4. **AMPLITUDE BALANCE (MAX):** 0.2 dB
5. **PHASE BALANCE (MAX):** 2 DEGREES
6. **ISOLATION (MIN):** 22 dB
7. **INPUT VSWR (MAX):** 1.25 : 1
8. **OUTPUT VSWR (MAX):** 1.15 : 1

**MECHANICAL SPECIFICATIONS:**

1. **CONNECTORS:** SMA FEMALE (JACK), 50 OHM
2. **MATERIAL/FINISH:**
   - A.) CONNECTOR BODY: BRASS, TRI-ALLOY PLATE, TARNISH RESISTANT & LOW PIM
   - B.) CONNECTOR PIN: BERYLLIUM COPPER, GOLD PLATE
   - C.) INSULATOR: PTFE, VIRGIN ELECTRICAL GRADE
   - D.) HOUSING: ALUMINUM, YELLOW IRIDITE
3. **OPERATING TEMP:** -65°C TO +85°C
4. **WEIGHT:** 114 GRAMS

**TOLERANCES**

<table>
<thead>
<tr>
<th>INCHES</th>
<th>MILLIMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>.00 ± .01</td>
<td>.00 = ±.025</td>
</tr>
<tr>
<td>.000 ± .004</td>
<td>.00 = ±.010</td>
</tr>
</tbody>
</table>

**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>40 WATTS</td>
<td>40 WATTS</td>
</tr>
<tr>
<td>2.0 : 1</td>
<td>40 WATTS</td>
<td>10 WATTS</td>
</tr>
<tr>
<td>∞</td>
<td>20 WATTS</td>
<td>1 WATT</td>
</tr>
</tbody>
</table>

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

- COHERENT SIGNALS (IN-PHASE): 2 X 20 WATTS
- COHERENT SIGNALS (180° OUT-OF-PHASE): 2 X 0.5 WATTS
- NON-COHERENT SIGNALS: 2 X 1 WATT
- OTHER CONDITIONS - CONSULT FACTORY

**MODEL NO.**

PD1120

**TITLE**

2 WAY, POWER DIVIDER COMBINER, SMA FEMALE, 0.698-2.700 GHz, 40W, 50 OHM, 0 DEGREE (IN-PHASE)

**INFORMATION**

www.instockwireless.com