PRINCIPAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Frequency Range, MHz</th>
<th>Quantity of Outputs</th>
<th>Isolation, dB, Max.</th>
<th>Insertion Loss, dB, Max.</th>
<th>Amplitude Balance, dB, Max.</th>
<th>Phase Balance, Max.</th>
<th>VSWR In/Out Max.</th>
<th>Weight oz.(g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD7-20-70A</td>
<td>50 - 90</td>
<td>2</td>
<td>25</td>
<td>0.5</td>
<td>0.25</td>
<td>2°</td>
<td>1.3:1</td>
<td>2.5 (70)</td>
</tr>
<tr>
<td>PD7-40-70A</td>
<td>50 - 90</td>
<td>4</td>
<td>25</td>
<td>1.0</td>
<td>0.50</td>
<td>3°</td>
<td>1.3:1</td>
<td>3.5 (100)</td>
</tr>
<tr>
<td>PD7-80-70A</td>
<td>50 - 90</td>
<td>8</td>
<td>25</td>
<td>1.5</td>
<td>0.75</td>
<td>4°</td>
<td>1.3:1</td>
<td>8.0 (228)</td>
</tr>
</tbody>
</table>

AVAILABLE OPTIONS

- True 75 Ω BNC Connectors
- Special Frequency Bands
- N-Way where N ≤ 16
- Other Packages (PC, Flatpack, TO-5, SMA)
- Precision Balance

GENERAL SPECIFICATIONS

- Impedance: 75 Ω nom.
- CW Input Power: 3 W max.
  (When used as divider with 1.2:1 VSWR_{in})
- Internal Load Dissipation: 250 mW max.
- BNC Female Connectors: 50 Ω type
  (To meet interface requirements of MIL-C-39012)
- Operating Temp: −55°C to +85°C

NOTES: 1. Tolerance on 3 place decimals ±0.020(0.51) except as noted.
2. Dimensions in inches over millimeters.

General Notes:

1. The PD7 series covers 50 to 90 MHz with a broadband, lumped element design to minimize the baseband amplitude and phase ripple.
2. These units are suitable applications in voice, data or television communication systems.
3. The PD7 series includes catalog standard, in-phase two, four and eight-way power dividers. In addition, up to 16-way units are available in custom units.
Package Outline PD7-40-70A

**NOTES:**
1. Tolerance on 3 place decimals ±0.020(0.51) except as noted.
2. Dimensions in inches over millimeters.

Package Outline PD7-80-70A

**NOTES:**
1. Tolerance on 3 place decimals ±0.020(0.51) except as noted.
2. Dimensions in inches over millimeters.