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**Features**
- 2000 to 6000 MHz Frequency
- 400 watt max power
- Insertion Loss: < 0.80 dB
- Phase Balance: ±5 degrees
- Amplitude Balance: ±0.3 dB
- High Power Handling Capability

**Applications**
- Communications Systems
- Power Combining
- PCS, GSM, LTE, Cellular
- Amplifier Systems
- Amplifier Power Combining
- Wireless Infrastructures
- Defence Applications

**Description**
PE20S0017 is a passive 4 way High Power Broadband RF Combiner with 50 ohm N connectors operating from 2000 to 6000 MHz, with max power at 400 watts. The PE20S0017 has a less than 0.80 dB typical low insertion loss and a Max VSWR of 1.30:1; along with a phase balance of ±5 degrees and an amplitude balance of ±0.3 dB. The RF Combiner operates in a temperature range from -55°C to 85°C, with a foot print of 4.51”x2.96”x1.10”.

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>2</td>
<td>6</td>
<td>GHz</td>
<td></td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td></td>
<td>Ohms</td>
<td></td>
</tr>
<tr>
<td>Output VSWR</td>
<td></td>
<td>1.3:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.8</td>
<td></td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Amplitude Balance</td>
<td>±0.3</td>
<td></td>
<td>dB</td>
<td></td>
</tr>
<tr>
<td>Phase Balance</td>
<td>±5</td>
<td></td>
<td>Degrees</td>
<td></td>
</tr>
<tr>
<td>Power Handling (CW)</td>
<td>400</td>
<td></td>
<td>Watts</td>
<td></td>
</tr>
</tbody>
</table>

"See Electrical Notes"

**Electrical Specification Notes:**
The device is intended for coherent signal combining.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 4 Way Broadband Combiner from 2 GHz to 6 GHz Type N PE20S0017

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4 Way Broadband Combiner from 2 GHz to 6 GHz Type N

### Mechanical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>2.96 in [75.18 mm]</td>
</tr>
<tr>
<td>Width</td>
<td>4.51 in [114.55 mm]</td>
</tr>
<tr>
<td>Height</td>
<td>1.1 in [27.94 mm]</td>
</tr>
<tr>
<td>Weight</td>
<td>1.223 lbs [554.74 g]</td>
</tr>
<tr>
<td>Housing Material and Plating</td>
<td>Aluminum Alloy</td>
</tr>
<tr>
<td><strong>Configuration</strong></td>
<td></td>
</tr>
<tr>
<td>Input Connector</td>
<td>N Female</td>
</tr>
<tr>
<td>Output Connectors</td>
<td>N Female</td>
</tr>
</tbody>
</table>

### Environmental Specifications

**Temperature**

- Operating Range: -55 to +85 deg C

### Compliance Certifications

(see product page for current document)

### Plotted and Other Data

**Notes:**

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4 Way Broadband Combiner from 2 GHz to 6 GHz Type N

RF Combiners Technical Data Sheet

Typical Performance Data

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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4 Way Broadband Combiner from 2 GHz to 6 GHz Type N PE20S0017

URL: https://www.pasternack.com/4-way-n-broadband-power-combiner-2-6-ghz-400-watts-pe20s0017-p.aspx

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