R&K-PD002M501-0447S/S

**Frequency Range**: 2MHz～500MHz
**4way-0°**
**High Power ≥ 50W**
**Power Divider and Combiner**

**SPECIFICATIONS @ +25°C**

- **Frequency Range**: 2MHz ~ 500MHz
- **Insertion Loss**: 0.7dB (max.)
- **Amplitude Balance**: 0.3dB (max.)
- **Isolation**: 18.0dB (min.)
- **Phase Balance**: 5° (max.)
- **Phase Difference**: 0°
- **Between Output Ports**
- **Return Loss (All Ports)**: −15.0dB (max.)
- **Impedance**: 50Ω
- **Maximum RF Input Power**: 50W @ +25°C
  (Total Combined Power at SUM Port) (1.2:1 Load VSWR)
- **Operating Temperature**: −20°C to +45°C
- **Storage Temperature**: −20°C to +75°C
- **Connectors (Standard)**: SMA-MALE, SMA-FEMALE
- **Connectors (Option)**: BNC-MALE, BNC-FEMALE
- **Weight (SMA Connector)**: 450g (typ.)

**Caution:** Absolute Maximum (surface of Base Plate) temperature of this product must be < +85°C. Proper Cooling must be required.

**HOW TO ORDER**

Model Name
R&K-PD002M501-0447S/S

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<th>Connector</th>
<th>Standard</th>
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<tbody>
<tr>
<td>SUM Port</td>
<td>S = SMA</td>
<td>B = BNC</td>
</tr>
<tr>
<td>Other Port</td>
<td>S = SMA</td>
<td>B = BNC</td>
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**TYPICAL PERFORMANCE (Temp @ +25°C)**

- **Insertion Loss**: (6dB theoretical Loss included)
- **Amplitude Balance**
- **Return Loss (All Port)**
- **Phase Balance**
- **Isolation**

**SCHEMATIC**

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot accept products to any country for use in military or defense applications.