ANALOG PHASE SHIFTER

**R&K-PS-D-0B**

- **Frequency Range**: 10MHz ~ 200MHz
- **Insertion Loss**: 0dB (typ.)
- **Phase Shift Range**: 0 ~ 360° (min.)
- **Phase Shift Range**: 0 ~ 360° (typ.)
- **19inch Rack Size Mounting**
- **RoHS Compliance**

**SPECIFICATIONS**

- **Frequency Range**: 10MHz - 200MHz
- **Frequency Flatness**: ±1.5dB (max.)
- **Phase Shift Range**: 0 ~ 360° (min.)
- **Phase Stability**: 3° (Peak max) Fix Temp.
- **Phase Control Voltage**: Internal: Front Panel Volume
  External: 0 ~ +12V / 1kΩ
- **Phase Control Linearity**: 15% (typ.)
- **Insertion Loss**: 0dB (typ.)
- **Maximum RF Input Power**: +10dBm (max.)
- **Impedance**: 50Ω
- **Input I.C.P.**: +17dBm (typ.)
- **Operating Temperature**: 0°C to +40°C
- **Storage Temperature**: -20°C to +80°C
- **Connectors (Standard)**: BNC-MALE
- **Connectors (Option)**: SMA-MALE
- **Other Function**: In/Out Monitor -20dB
  Over Phase LED
- **AC Supply Input**: AC100V 50/60Hz
- **Weight (SMA Connector)**: 2A (max.)

**TYPICAL PERFORMANCE (Temp @+25°C)**

**Phase Characteristic**

**Input / Output VSWR**

**Control vs Loss & Phase**

<table>
<thead>
<tr>
<th>Control (V)</th>
<th>Phase (°)</th>
<th>Insertion Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>120</td>
<td>-3</td>
</tr>
<tr>
<td>2</td>
<td>180</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>240</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>300</td>
<td>6</td>
</tr>
<tr>
<td>8</td>
<td>360</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>360</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>360</td>
<td></td>
</tr>
</tbody>
</table>

**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 export products to any country for use in military or defense applications.

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