SMA Variable Phase Shifter with an Adjustable Phase of 60 Deg. Per GHz and from DC to 8.2 GHz

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Description</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>DC</td>
<td></td>
<td>8.2</td>
<td>GHz</td>
</tr>
<tr>
<td>Impedance</td>
<td>50</td>
<td></td>
<td></td>
<td>Ohms</td>
</tr>
<tr>
<td>Phase Adjustment</td>
<td>0</td>
<td></td>
<td>60</td>
<td>Deg/GHz</td>
</tr>
<tr>
<td>Input VSWR</td>
<td>1.5:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output VSWR</td>
<td>1.5:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.6</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Group Delay</td>
<td>170</td>
<td></td>
<td></td>
<td>ps</td>
</tr>
<tr>
<td>Input Power, CW</td>
<td>100</td>
<td></td>
<td></td>
<td>Watts</td>
</tr>
<tr>
<td>Input Power, Peak</td>
<td>3</td>
<td></td>
<td></td>
<td>kWatts</td>
</tr>
</tbody>
</table>

Electrical Specification Notes:
Insertion Phase min. setting @ 1.0 GHz

**Mechanical Specifications**

**Size**
- Length: 5.5 in [139.7 mm]
- Width/Diameter: 2 in [50.8 mm]
- Height: 1 in [25.4 mm]
- Weight: 0.9895 lbs [448.83 g]

**Configuration**
- Input Connector: SMA Female
- Output Connector: SMA Female

**Environmental Specifications**

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:
Typical Performance Data

SMA Variable Phase Shifter with an Adjustable Phase of 60 Deg. Per GHz and from DC to 8.2 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: SMA Variable Phase Shifter with an Adjustable Phase of 60 Deg. Per GHz and from DC to 8.2 GHz SMP0820


The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.
SMP0820

DATA SHEET

SMA Variable Phase Shifter with an Adjustable Phase of 60 Deg. Per GHz and from DC to 8.2 GHz

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

STANDARD TOLERANCES
.X  ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689