Features

- Blindmate design
- RF performance DC to 40 GHz (SMP), 65 GHz (SMPM) & 100 GHz (SMPS)
- Designed to accommodate radial, axial and angular misalignments
- Intermateable with other industry standard connectors
- Full detent, limited detent (SMP only) and smooth bore options available

Applications

- Aerospace
- Military
- Broadband
- Instrumentation
- Telecommunications
- Satellite Communications Equipment (SATCOM)

Benefits

- Push-on mating for quick installation
- High density packaging possibilities
- Ideal performance even under misaligned conditions
- Mates to the GPO° (SMP), GPPO° (SMPM) & G3PO° (SMPS)

Typical Misalignment

Mating Features

Smooth Bore

- SMP
- SMPM
- SMPS

Full Detent

- SMP
- SMPM
- SMPS

Limited Detent

- SMP
- SMPM
- SMPS

Axial Misalignment

- SMP
- SMPM
- SMPS

Radial Misalignment

- SMP
- SMPM
- SMPS
Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>SMP</th>
<th>SMPM</th>
<th>SMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impedance</td>
<td>50Ω</td>
<td>50Ω</td>
<td>50Ω</td>
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<tr>
<td>Frequency Range</td>
<td>40 GHz</td>
<td>65 GHz</td>
<td>100 GHz</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.15:1 to 26.5 GHz typ.</td>
<td>1.10:1 to 26.5 GHz typ.</td>
<td>1.10:1 to 26.5 GHz typ.</td>
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<tr>
<td></td>
<td>1.5:1 to 40 GHz typ.</td>
<td>1.30:1 to 50 GHz typ.</td>
<td>1.25:1 to 65 GHz typ.</td>
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<table>
<thead>
<tr>
<th>Mechanical</th>
<th>SMP</th>
<th>SMPM</th>
<th>SMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Rating</td>
<td>-65 to +165°C</td>
<td>-65 to +165°C</td>
<td>-65 to +165°C</td>
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<tr>
<td>Center-to-center Spacing (min)</td>
<td>1.156</td>
<td>.125</td>
<td>.085</td>
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<tr>
<td>Mating Cycles (min)</td>
<td>Smooth Bore</td>
<td>Limited Detent</td>
<td>Full Detent</td>
</tr>
<tr>
<td></td>
<td>1000</td>
<td>500</td>
<td>100</td>
</tr>
<tr>
<td>Typical Force to Engage / Disengage</td>
<td>2.0 / 0.5 lbs</td>
<td>5.0 / 7.0 lbs</td>
<td>7.0 / 9.0 lbs</td>
</tr>
</tbody>
</table>

Products Available

- Surface Mount
- Edge Launch
- Female to Female ‘Bullets’
- D38999 and Multiport Contacts
- Custom Multiport
- VITA 67.1, 67.2 & 67.3

Visit our Website Product Search for Detailed Descriptions