Fixed-tuned PBR120 for elliptical waveguide 127

### Product Classification

**Product Type**
Elliptical waveguide connector

### General Specifications

- **Attachment Method**
  - Tab-flare  |  Tool-flare
- **Body Style**
  - Straight, fixed-tuned
- **Inner Contact Plating**
  - Unplated
- **Interface**
  - PBR120
- **Outer Contact Plating**
  - Unplated
- **Pressurizable**
  - Yes

### Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Width</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Width</strong></td>
<td>57.404 mm</td>
<td>2.26 in</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>72.39 mm</td>
<td>2.85 in</td>
</tr>
<tr>
<td><strong>Transition Length</strong></td>
<td>39.37 mm</td>
<td>1.55 in</td>
</tr>
<tr>
<td><strong>Waveguide Size</strong></td>
<td>WR75</td>
<td>WG17</td>
</tr>
</tbody>
</table>

### Electrical Specifications

- **Insertion Loss, typical**
  - 0.01 dB
- **Operating Frequency Band**
  - 11.7 – 13.25 GHz
- **Peak Power at Frequency, maximum**
  - 34.00 kW @ 12.70 GHz

### Material Specifications

**Material Type**
Brass
Environmental Specifications

Operating Temperature  
-55 °C to +85 °C (-67 °F to +185 °F)

Storage Temperature  
-55 °C to +85 °C (-67 °F to +185 °F)

Packaging and Weights

Weight, net  
0.7 kg  |  1.543 lb

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant</td>
</tr>
</tbody>
</table>

* Footnotes

| Insertion Loss, typical  | 0.05⁻²freq (GHz) (not applicable for elliptical waveguide) |