WR-90 Waveguide Section 9 Inch Length Straight Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range in Commercial Grade

**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>8.2</td>
<td>12.4</td>
<td>GHz</td>
<td></td>
</tr>
<tr>
<td>VSWR</td>
<td>1.03:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.1 [0.33]</td>
<td>dB/ft [dB/m]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Values at 25°C, sea level

**Mechanical Specifications**

- **Waveguide Size**: WR-90
- **Waveguide Design**: Commercial Grade
- **Section Length**: 9 in [228.6 mm]

**Flange 1**
- **Interface**: CPR-90G
- **Material**: Copper Alloy
- **Plating**: Paint

**Waveguide**
- **Interface**: WR-90
- **Material**: Copper Alloy
- **Plating**: Paint

**Flange 2**
- **Interface**: CPR-90G
- **Material**: Copper Alloy
- **Plating**: Paint

**Compliance Certifications** (visit www.FairviewMicrowave.com for current document)

**Plotted and Other Data**

- **Notes**: Values at 25 °C, sea level
WR-90 Waveguide Section 9 Inch Length Straight Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range in Commercial Grade 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-90 Waveguide Section 9 Inch Length Straight Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range in Commercial Grade SMF90SA-09

WR-90 Waveguide Section 9 Inch Length Straight Using CPR-90G Flange With a 8.2 GHz to 12.4 GHz Frequency Range in Commercial Grade

SMF90SA-09 DATA SHEET

FAIRVIEW MICROWAVE INC.
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM

SMF90SA-3 3 in.
SMF90SA-6 6 in.
SMF90SA-9 9 in.
SMF90SA-12 12 in.

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].

CAD FILE 062714 SHEET SCALE S/A SIZE A 150

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