Features
• Models 50 GHz to 112 GHz*
• A practicable alternative to flexible waveguide
• Low Loss - Comparable to drawn copper wavelength
• Low VSWR
• Ideal for installations
• Can be formed/reformed up to 5 times
• Weatherproofed & Waterproofed

A low loss, hand formable waveguide section suitable for millimeter wave applications

At millimeter wave frequencies flexible waveguides are often not available or the performance and reliability are considered unsatisfactory. For most applications a low loss flexible section that could be bent or formed a few times might be all that is required

To meet the needs of this type of application Flann have introduced the Series 562 range of Seamless Semi-Rigid Waveguides which provide a low loss formable section encased in a ruggedised jacket *, with an insertion loss comparable to that of drawn copper waveguide.

Related Products

Series
350: Coaxial Guide, Flange to Flange Adaptor (Cable Version)
352: Coaxial Guide, Flange to Flange Adaptor (Semi-Rigid Cable Version)

Construction

Performed models can be built to customer requirements.
Custom built instruments can be supplied;
Please contact the sales team for more information

Ordering

Please specify the following:

<table>
<thead>
<tr>
<th>WG designation</th>
<th>Series</th>
<th>L (Length mm)</th>
<th>Flange</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 - 27</td>
<td>562</td>
<td>Nominal Flange to Flange Length in mm</td>
<td>See flann.com</td>
</tr>
</tbody>
</table>

Example: 25562-L300 UG-385/U A WG25 (WR15) Seamless Semi-Rigid Waveguide, Flange to Flange Adaptor 300mm long with UG-385/U flange

Model: 25562-L300 UG-385/U
Fitted to a pair of Flann Lens Horn Antennas Series 800

The data above shows the change in Insertion Loss of a 300mm length of a Flann WG25 (WR15) Semi Rigid Waveguide when formed 90° and straightened 3 times in the E plane then formed 90° and straightened 3 times in the H Plane. In each case the internal bend radius was 40mm

* Higher frequency models are available - details on request