Adjustable Waveguide Short Circuits

FEATURES:

- Full Waveguide Coverage
- Non-Contacting Choke Type Short
- Precision Micrometer Tuning and Readout
- Minimum Travel of One-Half Wavelength at Lowest Operating Frequency

DESCRIPTION:

Cernex’s CAS series waveguide short circuits are available in standard waveguide sizes from 12.4 to 220 GHz. The non-contacting choke type short circuit is designed to operate with high electrical stability over a broad range of frequencies. The micrometer drive provides smooth, accurate positional tuning over the entire distance traveled and a positive locking device ensures continued setting.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Waveguide Band</th>
<th>Ku</th>
<th>K</th>
<th>Ka</th>
<th>Q</th>
<th>U</th>
<th>V</th>
<th>E</th>
<th>W</th>
<th>F</th>
<th>D</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (GHz)</td>
<td>12.4 to 18.0</td>
<td>18.0 to 26.5</td>
<td>26.5 to 40.0</td>
<td>33.0 to 50.0</td>
<td>40.0 to 60.0</td>
<td>50.0 to 75.0</td>
<td>60.0 to 90.0</td>
<td>75.0 to 110.0</td>
<td>90.0 to 140.0</td>
<td>110.0 to 170.0</td>
<td>140.0 to 220.0</td>
</tr>
<tr>
<td>Average Power (Watts)</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>0.7</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.2</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
</tbody>
</table>

HOW TO ORDER:

Specify Model Number: CAS – WG LF HF PP– XX  To be specified by the factory

Waveguide Size  ____________
Low End Frequency  ____________
Average Power  ____________
High End Frequency  ____________

Example: To order WR-15 adjustable waveguide short circuit with a frequency band of 50-75Ghz, and an average power of 25dbm, specify CAS-15507525-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE