Sliding Matched Terminations

FEATURES:
- Low VSWR
- Precision Adjustment

APPLICATIONS:
- Test setup
- Directivity Measurement

CST Series

DESCRIPTION:
Cernex's CST series sliding matched load consists of a precision-tapered waveguide load coupled to a micrometer drive. The load is machined to precise tolerances to permit the close fit necessary for sliding without binding.

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 to 26.5</td>
<td>26.5 to 40</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>VSWR Max.</td>
<td>1.05</td>
<td>1.05</td>
<td>1.05</td>
<td>1.05</td>
<td>1.06</td>
<td>1.06</td>
<td>1.08</td>
<td>1.08</td>
<td>1.08</td>
<td>1.10</td>
<td></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>0.2</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td></td>
</tr>
</tbody>
</table>

HOW TO ORDER:
Specify Model Number: CST – WG LF HF PP -- XX – To be specified by the factory

Example: To order WR-15 sliding matched terminations with a frequency band of 50-75Ghz, and an average power of 25dbm, specify CST-15507525-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE