Insertion Loss:
The maximum Insertion Loss at center frequency is equal to:

\[
\text{LF} \times (N=0.5) \times \frac{1}{\text{% 3 dB BW}} + 0.1
\]

Where:
- \( \text{LF} \) = Loss Factor
- \( N \) = Number of Sections
- \( \% \text{ 3 dB BW} \)
- Center Frequency (MHz)

Example:
A 5 section 3B with a center frequency of 10000 MHz and a 3 dB BW of 500 MHz would be:

\[
\frac{0.9 \times 5.5}{5} = 0.99
\]

\[
0.99 + 0.1 = 1.1 \text{ dB}
\]
The size shown is a standard used by Lark to facilitate low cost, easily reproduced units. Should you require another size, please submit all of your requirements, both electrical and mechanical, to Benchmark Lark Engineering. This will enable us to quote the optimum design for your application.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>L Dimension</th>
<th>H Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMA Jack</td>
<td>.375</td>
<td>9.5</td>
</tr>
<tr>
<td>SMA Plug</td>
<td>.507</td>
<td>12.9</td>
</tr>
<tr>
<td>*TNC Jack</td>
<td>.750</td>
<td>19.1</td>
</tr>
<tr>
<td>*TNC Plug</td>
<td>.844</td>
<td>21.4</td>
</tr>
</tbody>
</table>

*Not recommended for use with this filters