Broadband Gain Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 0 dBi Gain and SMA Female Input

Configuration
- Design: Broadband Standard Gain Horn
- Pattern: Directional
- Polarization: Linear
- RF Connector: SMA Female

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>1</td>
<td>11</td>
<td>18</td>
<td>GHz</td>
</tr>
<tr>
<td>Nominal Gain</td>
<td>11</td>
<td></td>
<td></td>
<td>dBi</td>
</tr>
<tr>
<td>Horizontal 3dB Beam Width</td>
<td>62</td>
<td></td>
<td></td>
<td>Degrees</td>
</tr>
<tr>
<td>Vertical 3dB Beam Width</td>
<td>97</td>
<td></td>
<td></td>
<td>Degrees</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.5:1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Power (CW)</td>
<td>50</td>
<td></td>
<td></td>
<td>Watts</td>
</tr>
</tbody>
</table>

Mechanical Specifications

- Size
  - Length: 9.606 in 243.99 mm
  - Width: 6.299 in 159.99 mm
  - Height: 8.031 in 203.99 mm
  - Weight: 2.992 lbs 1.36 Kg
  - RF Connector: SMA Female

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Broadband Gain Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 0 dBi Gain and SMA Female Input 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: Broadband Gain Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 0 dBi Gain and SMA Female Input SH0118S


The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability, arising out of the use of any part or documentation.
STANDARD TOLERANCES
.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].

TITLE
Broadband Gain Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 0 dBi Gain and SMA Female Input

DWG NO SH0118S CAGE CODE 3FKR5