Broadband Gain Horn Antenna Operating from 2 GHz to 4 GHz with a Nominal 20 dB Gain and 7/16 DIN Female Input

Configuration
- Design: Broadband Standard Gain Horn
- Pattern: Directional
- Polarization: Linear
- RF Connector: 7/16 DIN 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>2</td>
<td></td>
<td>4</td>
<td>GHz</td>
</tr>
<tr>
<td>Impedance</td>
<td></td>
<td>50</td>
<td></td>
<td>Ohms</td>
</tr>
<tr>
<td>Gain</td>
<td></td>
<td></td>
<td>20</td>
<td>dB</td>
</tr>
<tr>
<td>Horizontal 3dB Beam Width</td>
<td></td>
<td>21</td>
<td></td>
<td>Degrees</td>
</tr>
<tr>
<td>Vertical 3dB Beam Width</td>
<td></td>
<td>25</td>
<td></td>
<td>Degrees</td>
</tr>
<tr>
<td>VSWR</td>
<td></td>
<td></td>
<td>1.5:1</td>
<td></td>
</tr>
<tr>
<td>Input Power (CW)</td>
<td></td>
<td>1.2</td>
<td></td>
<td>kWatts</td>
</tr>
</tbody>
</table>

Mechanical Specifications

- Size
  - Length: 40.02 in 101.65 cm
  - Width: 18.78 in 477.01 mm
  - Height: 11.81 in 299.97 mm
  - Weight: 25 lbs 11.34 Kg
- Body Material and Plating: Aluminum, Corrosion Resistant Epoxy
- RF Connector: 7/16 DIN Female

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
Broadband Gain Horn Antenna Operating from 2 GHz to 4 GHz with a Nominal 20 dB Gain and 7/16 DIN 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 2 GHz to 4 GHz with a Nominal 20 dB Gain and 7/16 DIN Female Input SH0204D

URL: https://www.fairviewmicrowave.com/gain-horn-2-4-ghz-22-db-7-16-din-db-sh0204d-p.aspx

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

<table>
<thead>
<tr>
<th>Tolerance</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>±0.2</td>
</tr>
<tr>
<td>XX</td>
<td>±0.01</td>
</tr>
<tr>
<td>XXX</td>
<td>±0.005</td>
</tr>
</tbody>
</table>

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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### 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).

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### SH0204D DATA SHEET

#### TITLE
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#### DWG NO
SH0204D

#### CAGE CODE
3FKR5