Broadband Gain Horn Antenna Operating From 1 GHz to 18 GHz With a Nominal 11 dB Typical Gain With N Female Input Connector

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>18</td>
<td>GHz</td>
<td></td>
</tr>
<tr>
<td>Nominal Gain</td>
<td>11</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Input Power</td>
<td>300</td>
<td></td>
<td></td>
<td>Watts</td>
</tr>
<tr>
<td>Input VSWR</td>
<td>1.5:1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Values at 25°C, sea level)

Mechanical Specifications

<table>
<thead>
<tr>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Width</td>
</tr>
<tr>
<td>Height</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>

Features:
- Design: Waveguide Horn
- Frequency Range: 1 to 18 GHz
- Polarization: Linear
- Interface 1: Female
- Interface 2: N Female

Compliance Certifications

REACH Compliant
12/17/2014

Plotted and Other Data

Notes:
- Values at 25 °C, sea level
Typical Performance Data

Markers

M1 - 1 GHz, 1.52:1 VSWR
M5 - 2 GHz, 2.00:1 VSWR
M2 - 6 GHz, 1.57:1 VSWR
M3 - 12 GHz, 1.52 VSWR
M4 - 18 GHz, 1.58 VSWR

Broadband Gain Horn Antenna Operating From 1 GHz to 18 GHz With a Nominal 11 dB Typical Gain With N Female Input Connector 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 11 dB Typical Gain With N Female Input Connector SH0118N](http://www.fairviewmicrowave.com/waveguide-horn-broadband-band-antenna-11-db-n-female-sh0118n-p.aspx)

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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].

SH0118N

3FKR5

CAD FILE 022114 SHEET SCALE N/A SIZE A 2233

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