

Broadband SMA Waveguide Horn Antenna Operating
 from 1 GHz to 18 GHz with a Nominal 11 dBi
 Gain with SMA Female Input Connector



Specialty Waveguide Antennas Technical Data Sheet

PE9887-11

Configuration

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

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---------------------------|---------|---------|---------|---------|
| Frequency Range | 1 | | 18 | GHz |
| Nominal Gain | | 11 | | dBi |
| Horizontal 3dB Beam Width | | | 62 | Degrees |
| Vertical 3dB Beam Width | | | 97 | Degrees |
| VSWR | | 1.5:1 | | |
| Input Power (CW) | | | 50 | Watts |

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 | 3.535 lbs [1.6 Kg] |
| RF Connector | SMA Female |

Environmental Specifications

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband SMA Waveguide Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 11 dBi Gain with SMA Female Input Connector PE9887-11](#)

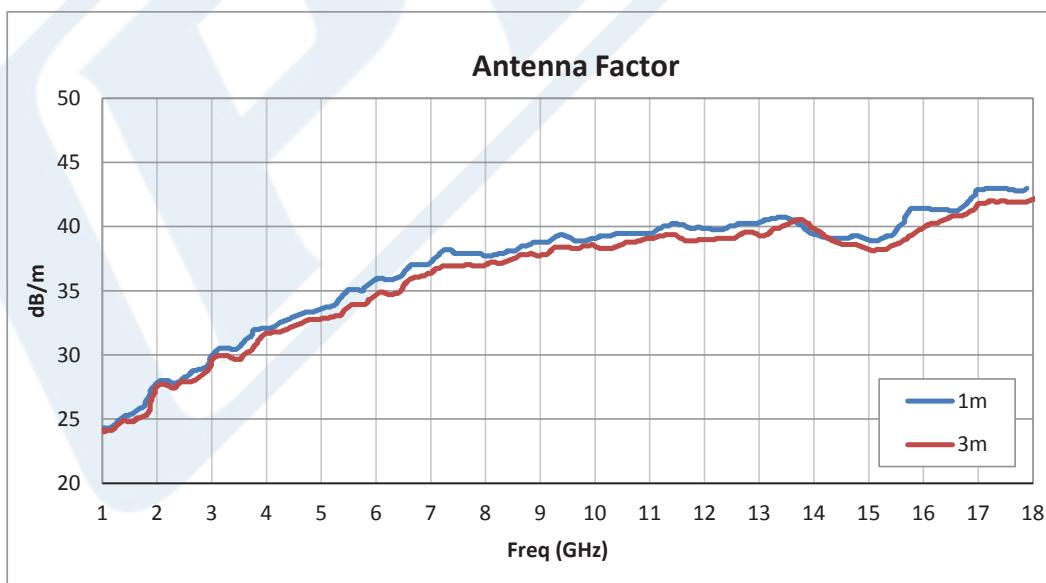
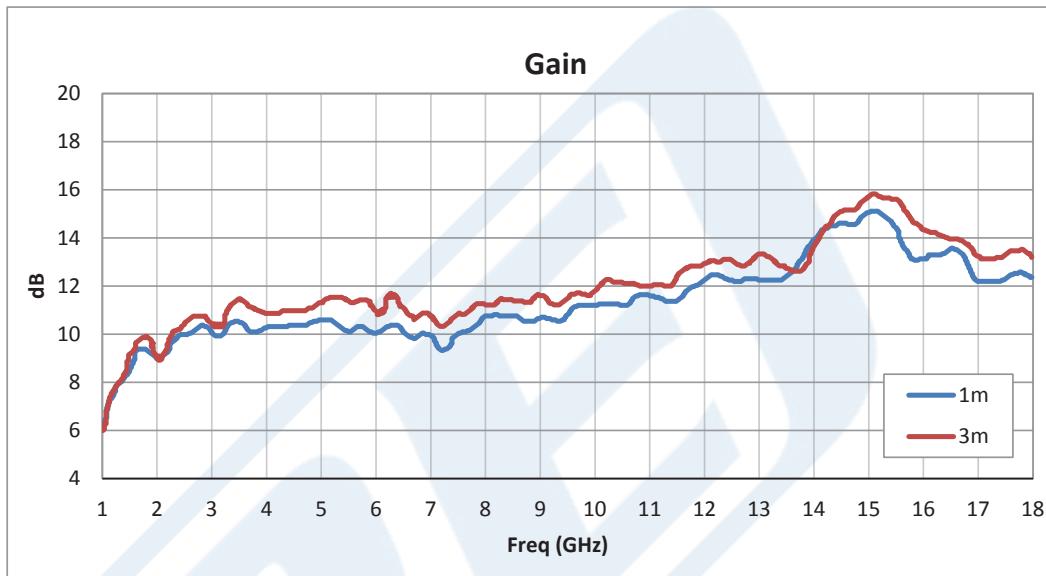


Broadband SMA Waveguide Horn Antenna Operating
from 1 GHz to 18 GHz with a Nominal 11 dBi
Gain with SMA Female Input Connector

Specialty Waveguide Antennas Technical Data Sheet

PE9887-11

Typical Performance Data



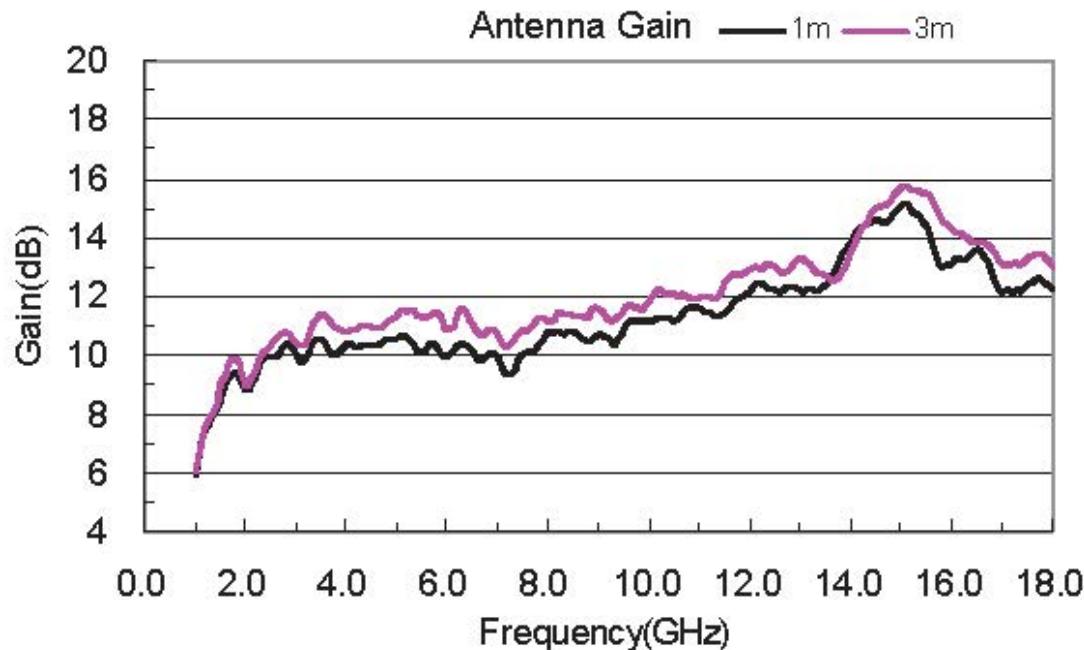
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband SMA Waveguide Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 11 dBi Gain with SMA Female Input Connector PE9887-11](#)



Broadband SMA Waveguide Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 11 dBi Gain with SMA Female Input Connector

Specialty Waveguide Antennas Technical Data Sheet

PE9887-11



Broadband SMA Waveguide Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 11 dBi Gain with SMA Female Input Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

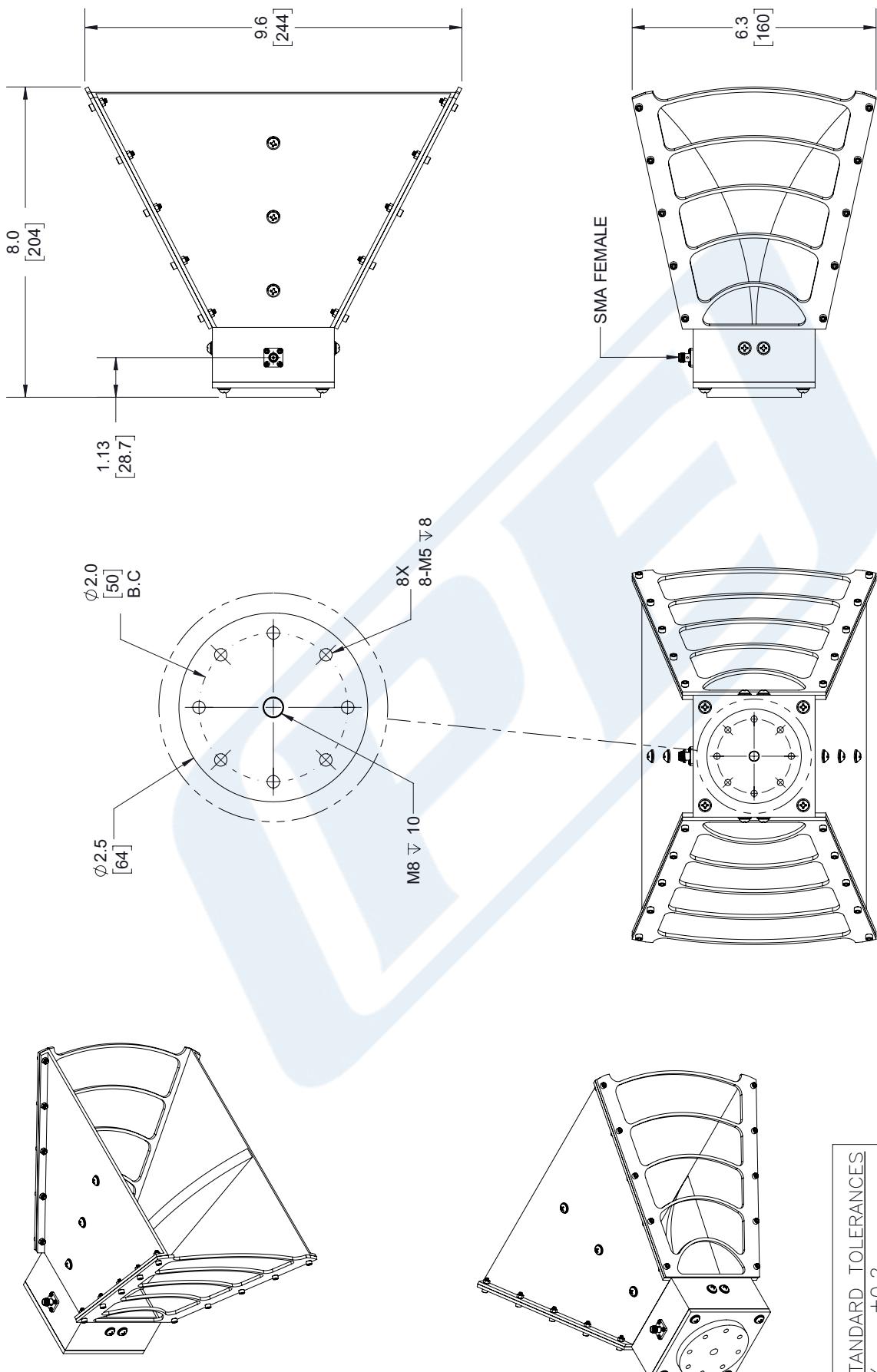
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband SMA Waveguide Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 11 dBi Gain with SMA Female Input Connector PE9887-11](#)

URL: <https://www.pasternack.com/broadband-gain-horn-antenna-1-18-ghz-11-db-sma-pe9887-11-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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE9887-11 CAD Drawing

Broadband SMA Waveguide Horn Antenna Operating from 1 GHz to 18 GHz with a Nominal 11 dBi Gain with SMA Female Input Connector



STANDARD TOLERANCES

±0.2
±0.01
±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

PASTERNAK[®]
THE ENGINEER'S RESOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 926623
112 LINDENWOOD COURT

Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pastermack.com | **E-Mail:** sales@pastermack.com

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]

| | | | | | |
|--|---|-----------|-----------|-----------|--------|
|  | DWG TITLE | PE9887-11 | CAGE CODE | 53919 | |
| | 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]. | CAD FILE | 10/03/18 | SCALE N/A | SIZE A |