



WR-42 Waveguide Standard Gain Horn Antenna  
Operating From 18 GHz to 26.5 GHz With a  
Nominal 15 dB Gain 2.92mm Female Input

## Gain Horns with Waveguide to Coax Adapters Tech-

PE9852/2F-15

### Configuration

Design	WR-42 Standard Gain Horn
Pattern	Directional
Polarization	Linear
Coaxial Interface	2.92mm Female

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	18		26.5	GHz
Impedance		50		Ohms
<b>Waveguide Standard Gain Horn</b>				
Gain		15		dB
Horizontal Half Power Beam Width		31.3		Degrees
Vertical Half Power Beam Width		31.5		Degrees
<b>Waveguide to Coaxial Adapter</b>				
Input VSWR			1.25:1	

### Mechanical Specifications

<b>Size</b>	
Weight	0.064 lbs [29.03 g]
<b>RF Connector</b>	
Type	2.92mm Female
<b>Waveguide Interface</b>	
Waveguide Size	WR-42

### Environmental Specifications

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

### Plotted and Other Data

2 Dimensional OML Drawing	PE9852/2F-15
Notes:	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-42 Waveguide Standard Gain Horn Antenna Operating From 18 GHz to 26.5 GHz With a Nominal 15 dB Gain 2.92mm Female Input PE9852/2F-15](#)



WR-42 Waveguide Standard Gain Horn Antenna  
Operating From 18 GHz to 26.5 GHz With a  
Nominal 15 dB Gain 2.92mm Female Input

Gain Horns with Waveguide to Coax Adapters Tech-

PE9852/2F-15

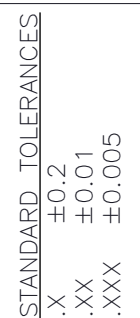
WR-42 Waveguide Standard Gain Horn Antenna Operating From 18 GHz to 26.5 GHz With a Nominal 15 dB Gain 2.92mm Female Input from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part 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: [WR-42 Waveguide Standard Gain Horn Antenna Operating From 18 GHz to 26.5 GHz With a Nominal 15 dB Gain 2.92mm Female Input PE9852/2F-15](https://www.pasternack.com/standard-gain-horn-waveguide-size-wr42-15-db-gain-292mm-female-pe9852f-15-p.aspx)

URL: <https://www.pasternack.com/standard-gain-horn-waveguide-size-wr42-15-db-gain-292mm-female-pe9852f-15-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.

WR-42 Waveguide Standard Gain Horn Antenna Operating From 18 GHz to 26.5 GHz With a Nominal 15 dB Gain 2.92mm Female Input



**\*\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES**



**PASTERNAK®**  
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623

**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

**DWG TITLE**

PE9852/2F-15

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** 101117

**SIZE A**

7361