



## WR-430 Standard Gain Horn with 15 dBi gain, SMA Female connector

### Technical Data Sheet

**PEWAN430-15SF**

#### Features

- 1.7 GHz to 2.6 GHz
- WR-430 Waveguide Band
- 15 dBi Nominal Gain
- SMA Female Connector

#### Applications

• Antenna Measurements	• Microwave Radio Systems
• Wireless Communication	• Radome Testing
• Laboratory Use	• Automotive Antenna Test

Solutions
• Radar Cross Section
• Satellite Antenna Testing

#### Description

The PEWAN430-15SF standard gain horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-430 to SMA Female waveguide to coaxial adapter and operates from 1.7 GHz to 2.6 GHz.

Our PEWAN430-15SF standard gain horn antenna has a nominal gain of 15 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 31 dB and 32 dB respectively. Pasternack's SMA Female to WR-430 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN430-15SF are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our WR-430 waveguide antennas with SMA Female interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and Ship same day.

#### Configuration

Design	WR-430 Standard Gain Horn
Coaxial Interface	SMA Female

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.7		2.6	GHz
<b>Waveguide Standard Gain Horn</b>				
Gain		15		dBi
Horizontal Half Power Beam Width		31		Degrees
Vertical Half Power Beam Width		32		Degrees
<b>Waveguide to Coaxial Adapter</b>				
Input VSWR			1.3:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-430 Standard Gain Horn with 15 dBi gain, SMA Female connector PEWAN430-15SF](#)



## WR-430 Standard Gain Horn with 15 dBi gain, SMA Female connector

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#### Mechanical Specifications

**Size**

Length	18.146 in [460.91 mm]
Width	11.653 in [295.99 mm]
Height	8.385 in [212.98 mm]
Weight	5.202 lbs [2.36 kg]

**RF Connector**

Type	SMA Female
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**Waveguide Interface**

Waveguide Size	WR-430
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#### Environmental Specifications

**Compliance Certifications** (see [product page](#) for current document)**Plotted and Other Data**

Notes:

WR-430 Standard Gain Horn with 15 dBi gain, SMA Female 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.

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URL:

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.

# PEWAN430-15SF CAD Drawing

WR-430 Standard Gain Horn with 15 dBi gain, SMA Female connector

