



## WR-102 Square Type Flange to N Male Waveguide to Coax Adapter Operating From 7 GHz to 11 GHz, X Band

### Waveguide to Coax Adapters Technical Data Sheet

PE9890

#### Features

- X Band, 7 to 11 GHz Frequency Range
- WR-102 Waveguide Interface with Square Type Flange
- N Male Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

#### Description

The PE9890 is a waveguide to coaxial adapter operating in the X band with a 7 to 11 GHz frequency range. This adapter offers a WR-102 waveguide interface size coupled with a precision tolerance square Type flange. The PE9890 is constructed of aluminum to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses a N type male connector and the package is REACH and RoHS compliant.

#### Configuration

Waveguide Size	WR-102
Flange	Square Type
RF Connector	N Male
Impedance	50 Ohms
Body Geometry	Right Angle

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	7		11	GHz
VSWR			1.3:1	
Input Power (Peak)			200	Watts

#### Mechanical Specifications

<b>Size</b>	
Length	2.63 in [66.8 mm]
Width	1.69 in [42.93 mm]
Height	1.5 in [38.1 mm]
Weight	0.2 lbs [90.72 g]

#### RF Connector

Connector Type	N Male
Body Material and Plating	Stainless Steel

#### Waveguide Interface

Waveguide Type	WR-102
Flange Type	Square Type
Body Material and Plating	Aluminum

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-102 Square Type Flange to N Male Waveguide to Coax Adapter Operating From 7 GHz to 11 GHz, X Band PE9890](#)



WR-102 Square Type Flange to N Male Waveguide to Coax  
Adapter Operating From 7 GHz to 11 GHz, X Band

Waveguide to Coax Adapters Technical Data Sheet

PE9890

**Environmental Specifications**

**Temperature**

Operating Range

-40 to +85 deg C

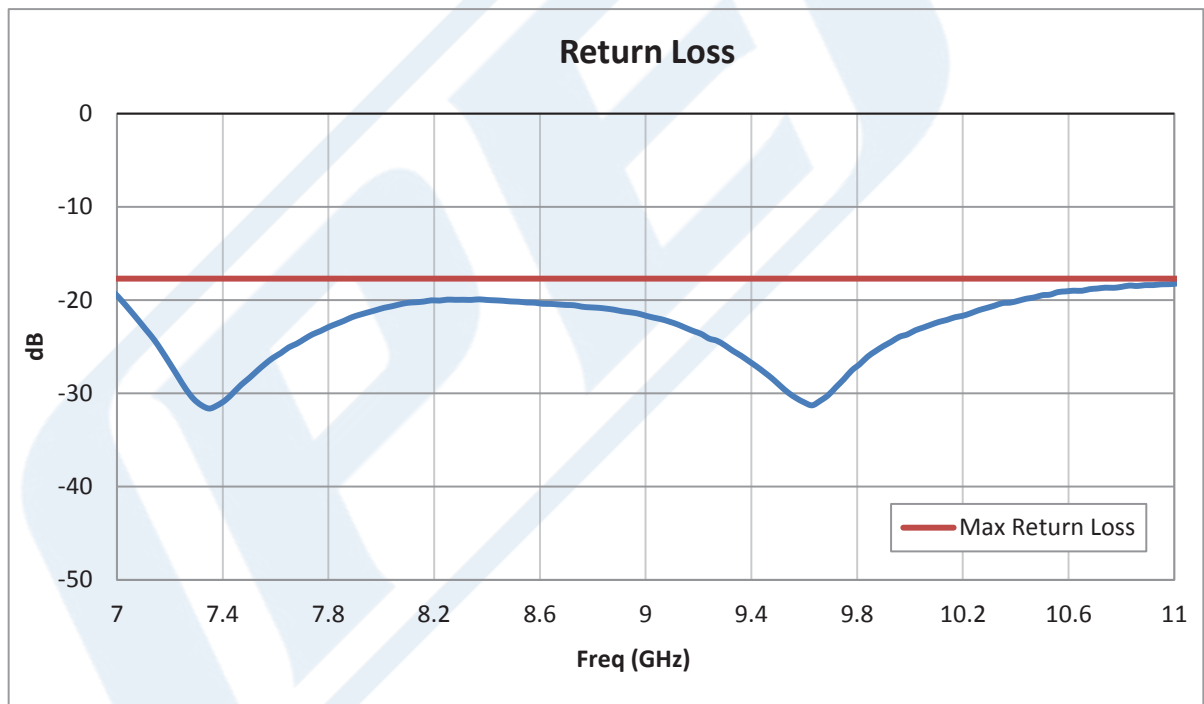
**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level unless stated otherwise

**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: [WR-102 Square Type Flange to N Male Waveguide to Coax Adapter Operating From 7 GHz to 11 GHz, X Band PE9890](#)



## WR-102 Square Type Flange to N Male Waveguide to Coax Adapter Operating From 7 GHz to 11 GHz, X Band

### Waveguide to Coax Adapters Technical Data Sheet

PE9890

WR-102 Square Type Flange to N Male Waveguide to Coax Adapter Operating From 7 GHz to 11 GHz, X Band 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.

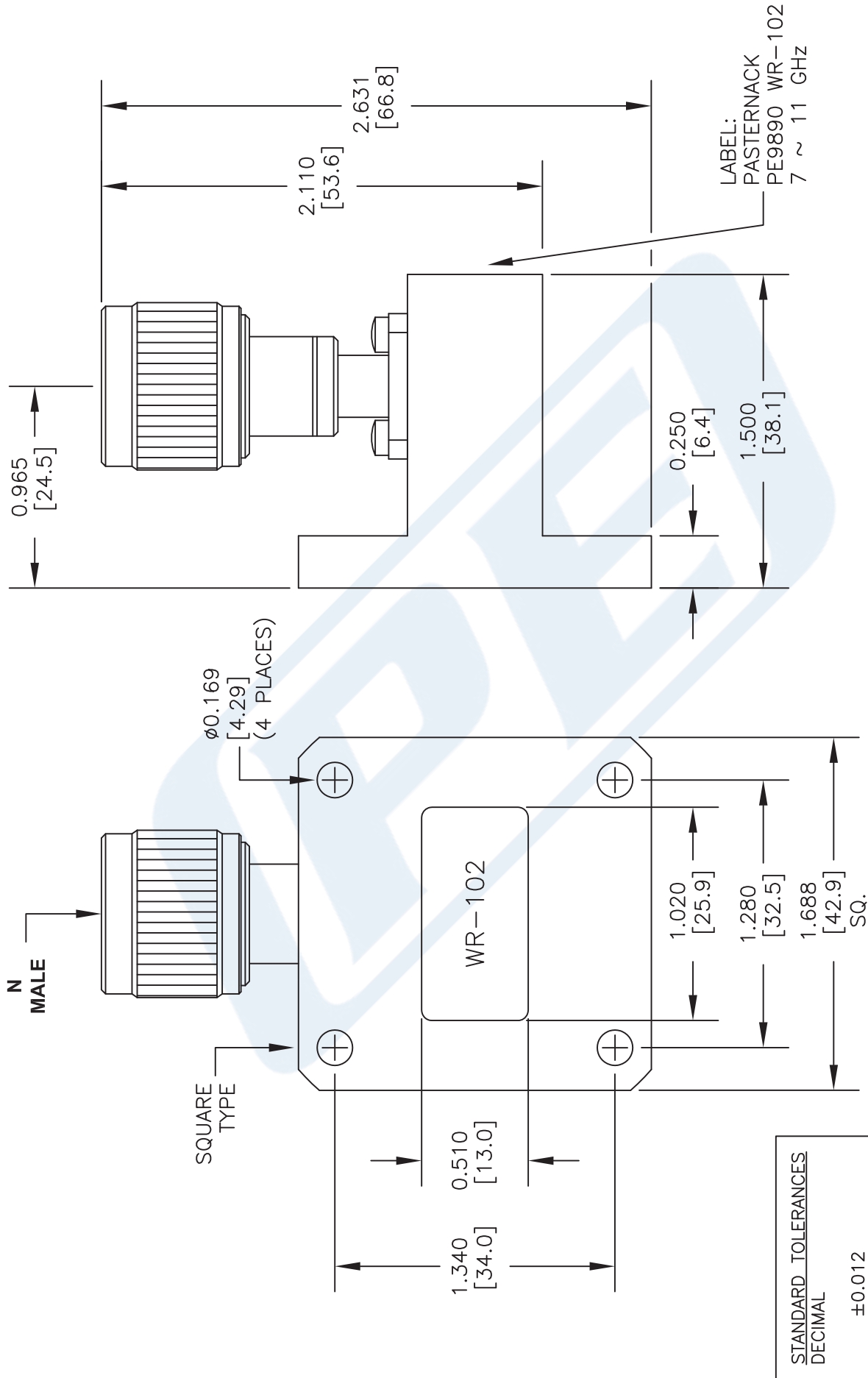
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-102 Square Type Flange to N Male Waveguide to Coax Adapter Operating From 7 GHz to 11 GHz, X Band PE9890](https://www.pasternack.com/wr-102-n-male-waveguide-coax-adapter-7-11-ghz-pe9890-p.aspx)

URL: <https://www.pasternack.com/wr-102-n-male-waveguide-coax-adapter-7-11-ghz-pe9890-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.

# PE9890 CAD Drawing

WR-102 Square Type Flange to N Male Waveguide to Coax  
Adapter Operating From 7 GHz to 11 GHz



DWG TITLE

**PE9890**

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].

**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 | E-Mail: sales@pasternack.com

CAGE CODE 53919

CAD FILE 060717

SCALE N/A

SIZE A

2233