



WR-28 Square Cover Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9826

Features

- Ka Band, 26.5 to 40 GHz Frequency Range
- WR-28 Waveguide Interface with Square Cover Flange
- 2.92mm Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE9826 is a waveguide to coaxial adapter operating in the Ka band with a 26.5 to 40 GHz frequency range. This adapter offers a WR-28 waveguide interface size coupled with a precision tolerance square cover flange. The PE9826 is constructed of aluminum to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses a 2.92mm geometry endorsed by International Electrotechnical Commission (IEC). The 2.92mm female connector mates with commercially available SMA and 3.5mm connectors. The package is REACH and RoHS compliant.

Configuration

Waveguide Size	WR-28
Flange	Square Cover
RF Connector	2.92mm Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
VSWR			1.4:1	
Insertion Loss			0.5	dB
Input Power (Peak)			20	Watts

Mechanical Specifications

Size	
Length	1.01 in [25.65 mm]
Width	0.59 in [14.99 mm]
Height	0.75 in [19.05 mm]
Weight	0.042 lbs [19.05 g]

RF Connector

Connector Type	2.92mm Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-28
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-28 Square Cover Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz PE9826](#)



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Flange Type
Body Material and Plating

Square Cover
Aluminum

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

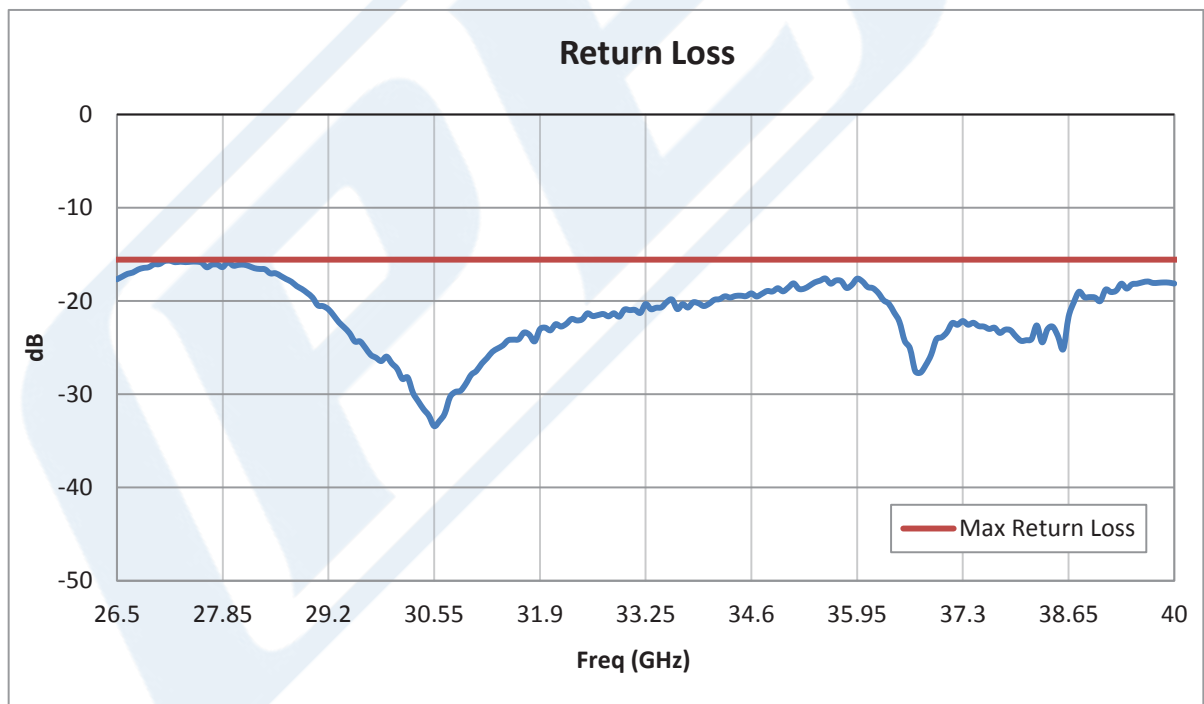
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



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WR-28 Square Cover Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz 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.

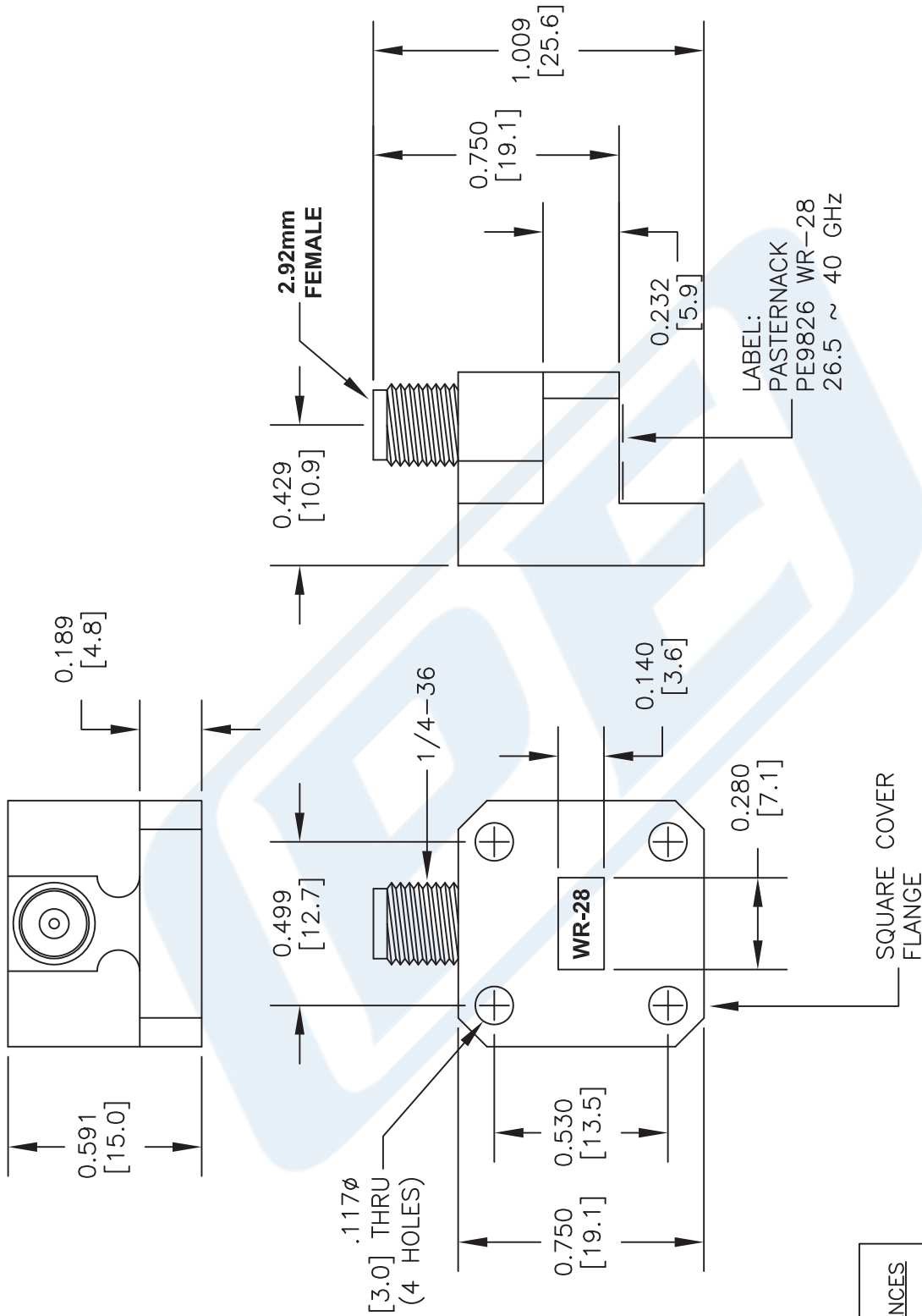
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

PE9826 CAD Drawing

WR-28 Square Cover Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz



STANDARD TOLERANCES
±0.012

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

LABEL:
PASTERNAK
PE9826 WR-28
26.5 ~ 40 GHz

DWG TITLE

PE9826

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].

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FSCM NO. 53919

CAD FILE 040616

SCALE N/A

SIZE A

3045