



WR-62 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9803

Features

- Ku Band, 12.4 to 18 GHz Frequency Range
- WR-62 Waveguide Interface with Square Type Flange
- SMA Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE9803 is a waveguide to coaxial adapter operating in the Ku band with a 12.4 to 18 GHz frequency range. This adapter offers a WR-62 waveguide interface size coupled with a precision tolerance square Type flange. The PE9803 is constructed of aluminum to ensure durability and repeatable RF performance. The SMA female connector mates with commercially available 2.92mm and 3.5mm connectors. The package is REACH and RoHS compliant.

Configuration

Waveguide Size	WR-62
Flange	Square Type
RF Connector	SMA Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
VSWR			1.3:1	
Insertion Loss		0.3	0.5	dB
Input Power (Peak)			100	Watts

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width	1.31 in [33.27 mm]
Height	1.36 in [34.54 mm]
Weight	0.116 lbs [52.62 g]

RF Connector

Connector Type	SMA Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-62
Flange Type	Square Type

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-62 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz PE9803](#)



WR-62 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9803

Body Material and Plating

Aluminum

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

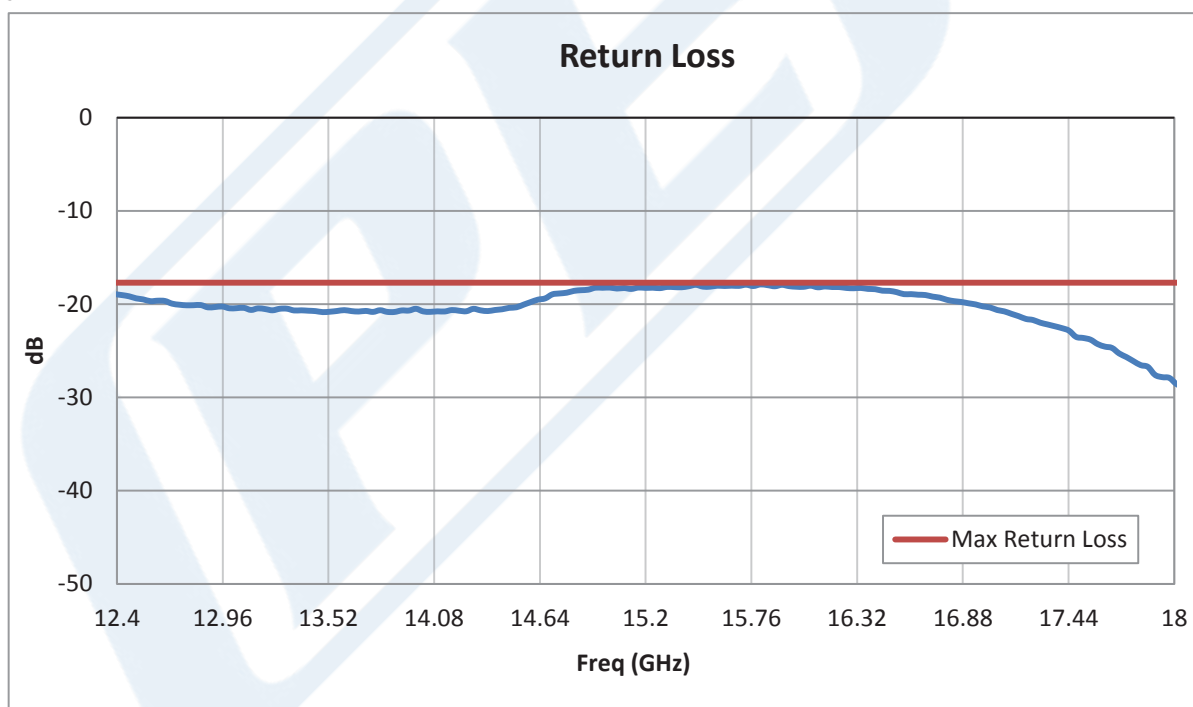
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-62 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz PE9803](#)



WR-62 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9803

WR-62 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 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.

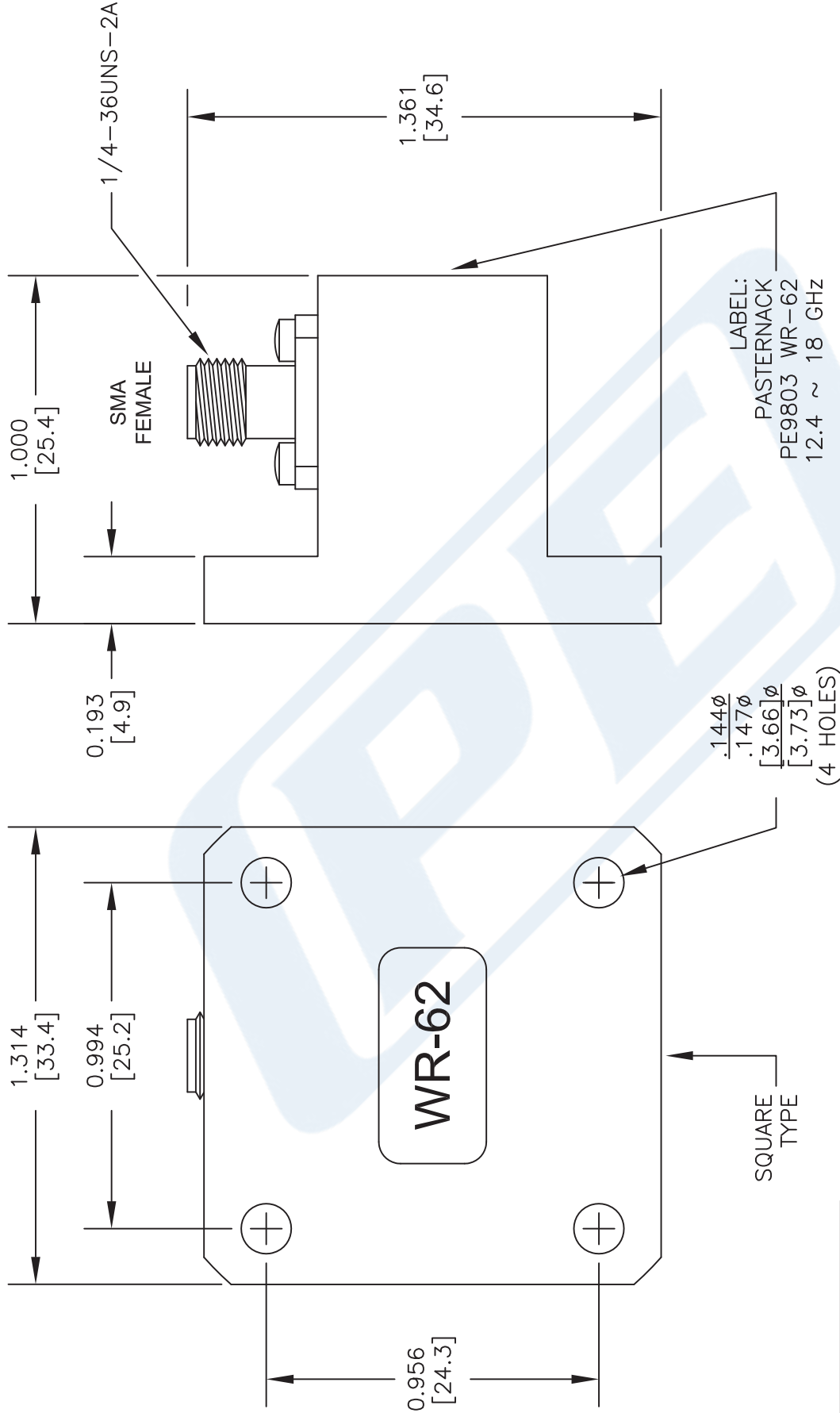
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-62 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz PE9803](https://www.pasternack.com/wr-62-sma-female-waveguide-coax-adapter-12.4-ghz-18-ghz-pe9803-p.aspx)

URL: <https://www.pasternack.com/wr-62-sma-female-waveguide-coax-adapter-12.4-ghz-18-ghz-pe9803-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.

PE9803 CAD Drawing

WR-62 Square Type Flange to SMA Female Waveguide to
Coax Adapter Operating from 12.4 GHz to 18 GHz



STANDARD TOLERANCES

±0.012

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

DWG TITLE

PE9803

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].

PE 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