



WR-62 UG-1665/U Square Cover Flange to SMA Male Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9809

Features

- Ku Band, 12.4 to 18 GHz Frequency Range
- WR-62 Waveguide Interface with UG-1665/U Square Cover Flange
- SMA Male Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE9809 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 UG-1665/U square cover flange. The PE9809 is constructed of aluminum to ensure durability and repeatable RF performance. The SMA male connector mates with commercially available 2.92mm and 3.5mm connectors. The package is REACH and RoHS compliant.

Configuration

Waveguide Size	WR-62
Flange	UG-1665/U Square Cover
RF Connector	SMA Male
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
VSWR			1.2:1	

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width	1.32 in [33.53 mm]
Height	1.48 in [37.59 mm]
Weight	0.0975 lbs [44.23 g]

RF Connector

Connector Type	SMA Male
Torque	8 in-lbs [0.9 Nm]

Waveguide Interface

Waveguide Type	WR-62
Flange Type	Square Cover
Flange Designation	UG-1665/U
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-62 UG-1665/U Square Cover Flange to SMA Male Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz PE9809](#)



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

Plotted and Other Data

Notes:

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

WR-62 UG-1665/U Square Cover Flange to SMA Male 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.

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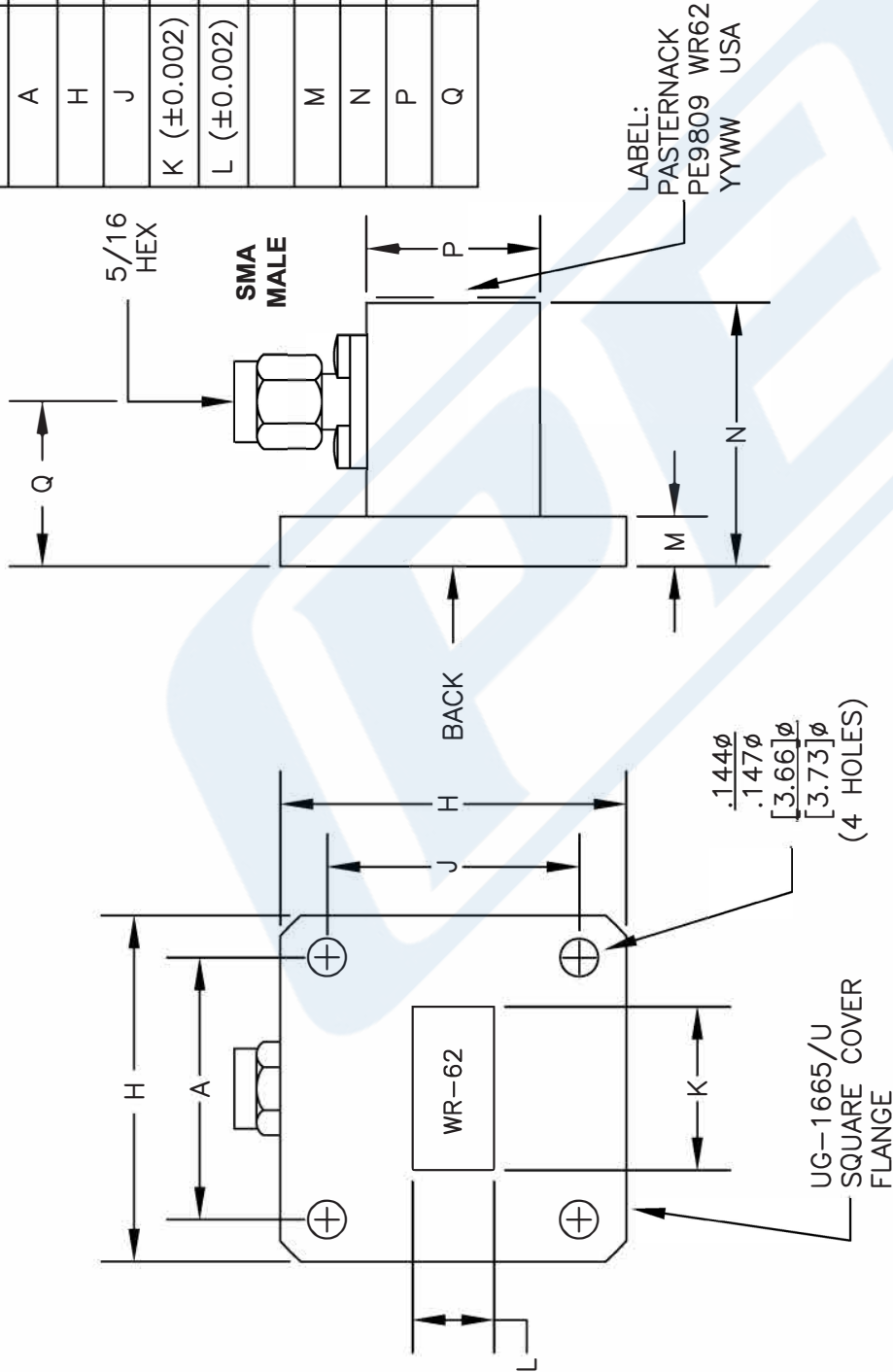
URL: <https://www.pasternack.com/wr-62-sma-male-waveguide-coax-adapter-12.4-ghz-18-ghz-pe9809-p.aspx>

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.

PE9809 CAD Drawing

WR-62 UG-1665/U Square Cover Flange to SMA Male Waveguide
to Coax Adapter Operating from 12.4 GHz to 18 GHz

Dimensions	Inches	mm
A	0.994	25.248
H	1.313	33.350
J	0.956	24.282
K (± 0.002)	0.622	15.799
L (± 0.002)	0.311	7.899
M	0.190	4.826
N	1.000	25.400
P	0.660	16.764
Q	0.630	16.002



BACK VIEW

DWG TITLE

PE9809

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].

FSCM NO. 53919

CAD FILE 042516

SCALE N/A

SIZE A

3045

PEI PASTERNAK
THE ENGINEER'S RF SOURCE

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