



WR-90 to SMA Male Waveguide to Coax  
Adapter 8.2 GHz to 12.4 GHz

TECHNICAL DATA SHEET

PE9810

**WR-90 to SMA Male Waveguide to Coax Adapter 8.2 GHz to 12.4 GHz**

**Configuration**

Waveguide Interface	WR-90
RF Connector	SMA Male
RF Connector Impedance	50 Ohms

**Electrical Specifications**

Frequency Range, GHz	8.2 to 12.4
Maximum VSWR	1.2:1

**Mechanical Specifications**

**Size**

Length, in [mm]	1.7 [43.18]
Width/Dia., in [mm]	1.63 [41.4]
Height, in [mm]	1.63 [41.4]

**Waveguide Interface**

Type	WR-90
Body Material and Plating	Aluminum

**RF Connector**

Type	SMA Male
Hex Size, Inch	5/16
Torque, in-lbs [Nm]	8 [0.9]
Body Material and Plating	Passivated Stainless Steel

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

WR-90 to SMA Male Waveguide to Coax Adapter 8.2 GHz to 12.4 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% 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-90 to SMA Male Waveguide to Coax Adapter 8.2 GHz to 12.4 GHz PE9810](http://www.pasternack.com/wr-90-sma-male-waveguide-coax-adapter-8.2-ghz-12.4-ghz-pe9810-p.aspx)

URL: <http://www.pasternack.com/wr-90-sma-male-waveguide-coax-adapter-8.2-ghz-12.4-ghz-pe9810-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.

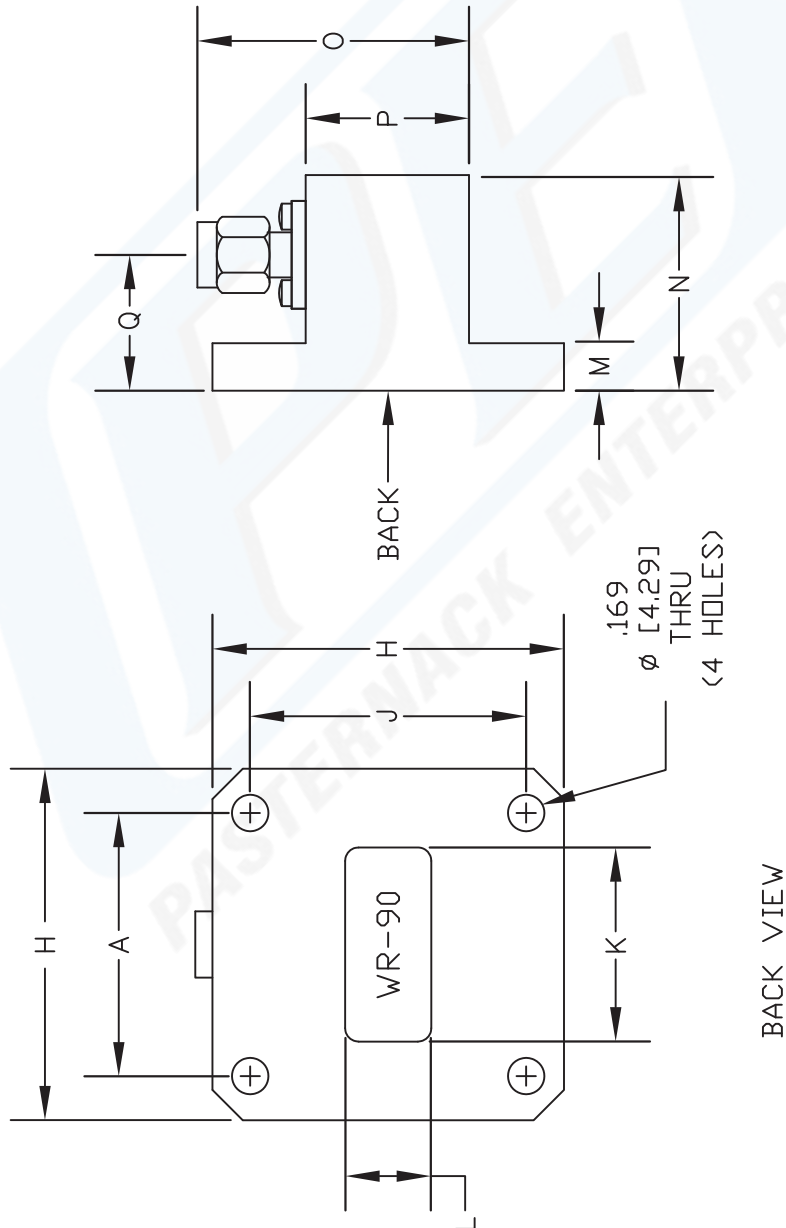


# PE9810 CAD Drawing

WR-90 to SMA Male Waveguide to Coax Adapter 8.2 GHz to 12.4 GHz

WR90	Dimension	Inches	mm
A		1.220	30.99
H		1.630	41.40
J		1.280	32.51
K ( $\pm 0.003$ )		0.900	22.86
L ( $\pm 0.003$ )		0.400	10.16

M	0.220	5.59
N	1.000	25.40
O	1.260	32.00
P	0.758	19.25
Q	0.630	16.00



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].

DWG TITLE  
**PE9810**

**PASTERNAK ENTERPRISES, INC.**  
 P O BOX 16759, IRVINE, CA 92623  
 PHONE (949) 261-1920 FAX (949) 261-7451  
 WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
 E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
**COAXIAL & FIBER OPTICS**



REV. -	FSCM NO. 53919	CAD FILE 120203	SCALE N/A	SIZE A	127
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