


**WR-112 to SMA Female Waveguide to Coax  
Adapter 7.05 GHz to 10 GHz**
**TECHNICAL DATA SHEET**
**PE9865**
**WR-112 to SMA Female Waveguide to Coax Adapter 7.05 GHz to 10 GHz**
**Configuration**

Waveguide Interface	WR-112
Flange Design	WR
RF Connector	SMA Female
Body Style	End Launch

**Electrical Specifications**

Frequency Range, GHz	7.05 to 10
Maximum VSWR	1.4:1

**Mechanical Specifications**

<b>Size</b>	
Length, in [mm]	1.875 [47.63]
Width/Dia., in [mm]	1.875 [47.63]
Height, in [mm]	1.942 [49.33]

**Waveguide Interface**

Type	WR-112
Body Material and Plating	Aluminum

**RF Connector**

Type	SMA Female
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
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WR-112 to SMA Female Waveguide to Coax Adapter 7.05 GHz to 10 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-112 to SMA Female Waveguide to Coax Adapter 7.05 GHz to 10 GHz PE9865](http://www.pasternack.com/wr-112-sma-female-end-launch-waveguide-coax-adapter-7.05-ghz-10-ghz-pe9865-p.aspx)

URL: <http://www.pasternack.com/wr-112-sma-female-end-launch-waveguide-coax-adapter-7.05-ghz-10-ghz-pe9865-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.

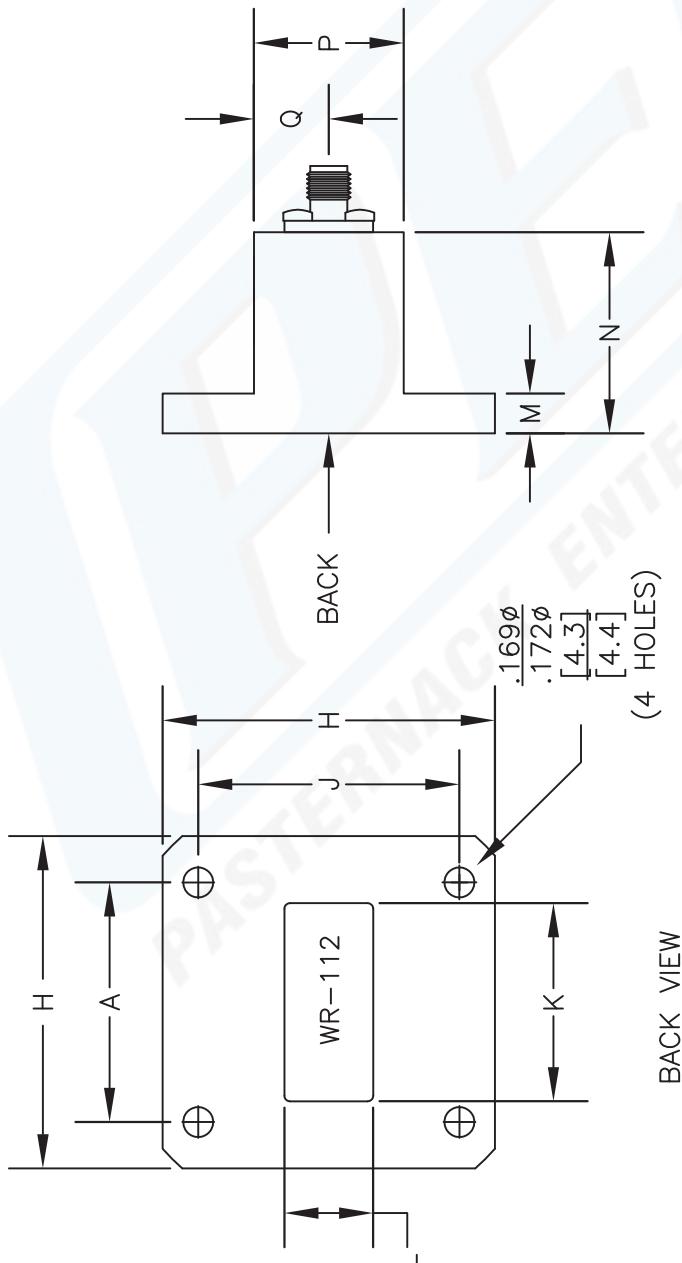


# PE9865 CAD Drawing

WR-112 to SMA Female Waveguide to Coax Adapter 7.05 GHz to 10 GHz

WR112	Dimension	Inches	mm
A	1.352	34.34	
H	1.875	47.63	
J	1.474	37.44	
K ( $\pm 0.004$ )	1.122	28.50	
L ( $\pm 0.004$ )	0.497	12.62	

M	0.220	5.59
N	1.570	39.88
P	0.930	23.62
Q	0.470	11.94



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	PE9865
REV. A	FSCM NO. 53919

CAD FILE	011612	SCALE	N/A	SIZE	A
				2233	

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