



WR-112 Square Type Flange to End Launch N Female
Waveguide to Coax Adapter Operating From 7.05 GHz to 10 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9870

Configuration

Waveguide Size	WR-112
Flange	Square Type
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	End Launch

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	7.05		10	GHz
VSWR			1.3:1	

Mechanical Specifications

Size

Length	2.24 in [56.9 mm]
Width	1.875 in [47.63 mm]
Height	1.875 in [47.63 mm]
Weight	0.04 lbs [18.14 g]

RF Connector

Connector Type	N Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-112
Flange Type	Square Type
Body Material and Plating	Aluminum

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

Plotted and Other Data

Notes:

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-112 Square Type Flange to End Launch N Female Waveguide to Coax Adapter Operating From 7.05 GHz to 10 GHz PE9870](#)





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WR-112 Square Type Flange to End Launch N Female Waveguide to Coax Adapter Operating From 7.05 GHz to 10 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-112 Square Type Flange to End Launch N Female Waveguide to Coax Adapter Operating From 7.05 GHz to 10 GHz PE9870](https://www.pasternack.com/waveguide-end-launch-to-n-female-frequency-range-705-1000-ghz-pe9870-p.aspx)

URL: <https://www.pasternack.com/waveguide-end-launch-to-n-female-frequency-range-705-1000-ghz-pe9870-p.aspx>

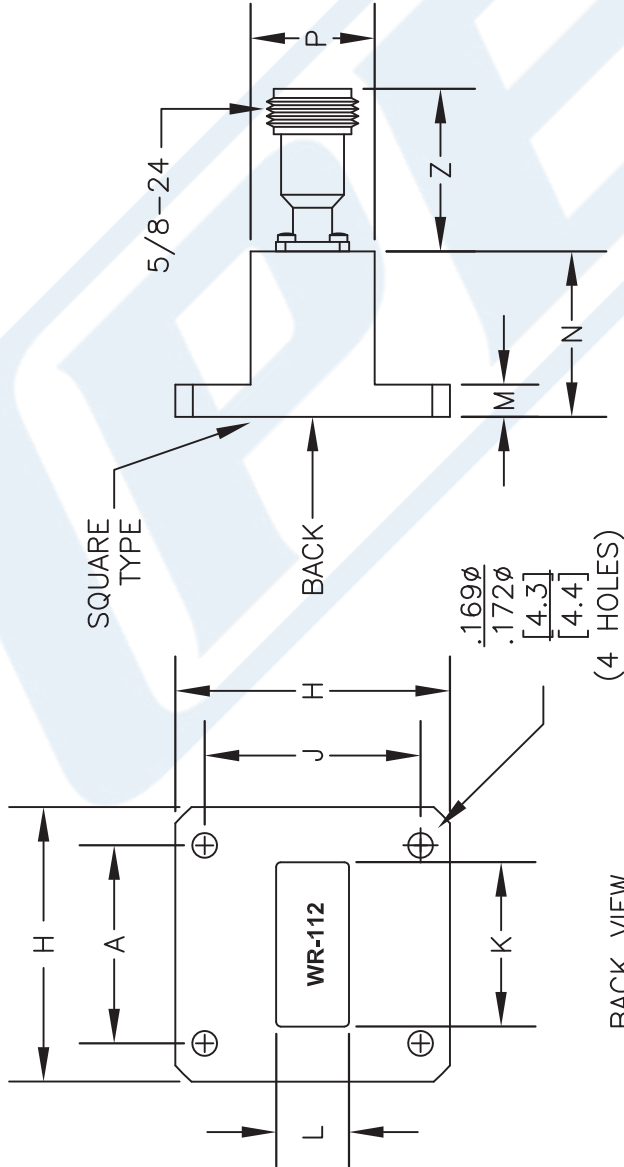
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such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

PE9870 CAD Drawing

WR-112 Square Type Flange to End Launch N Female Waveguide to Coax Adapter Operating From 7.05 GHz to 10 GHz

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

M	0.220	5.59
N	1.130	28.70
P	0.845	21.46
Z (TYP.)	1.11	28.19



STANDARD TOLERANCES

.X ± 0.2
 .XX ± 0.1
 .XXX ± 0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

(PE) PASTERNAK®
 THE ENGINEER'S RF SOURCE

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DWG TITLE

PE9870

CAGE CODE 53919

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].

CAD FILE 060717

SCALE N/A

SIZE A

2233