



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>

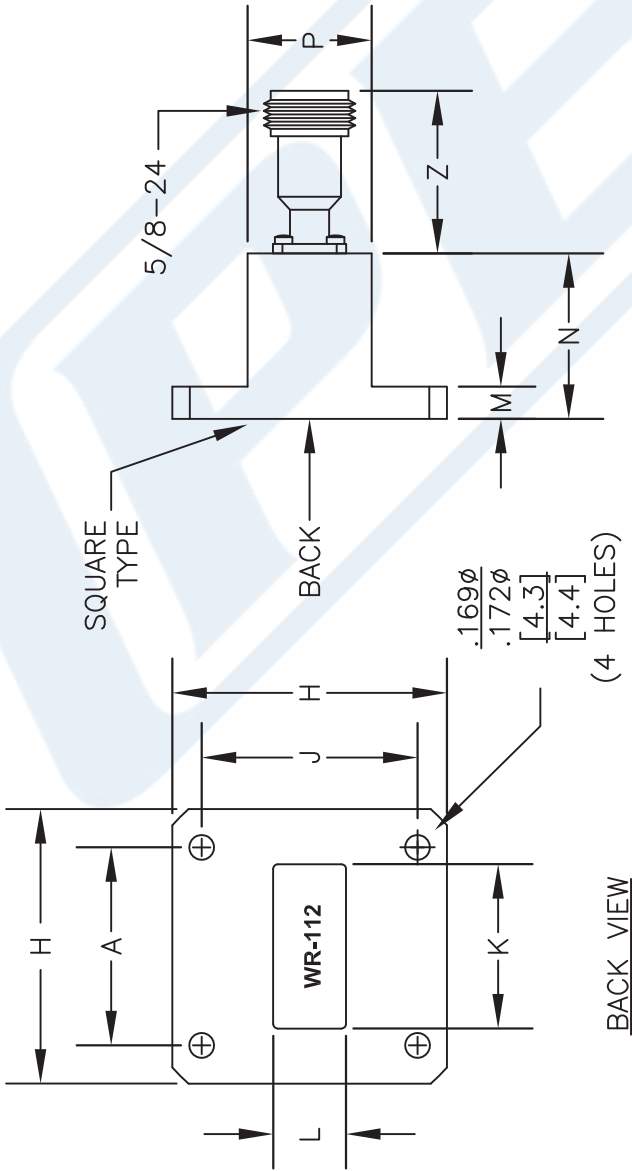
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PE9870 CAD Drawing

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

WR112		
Dimension	Inches	mm
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

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
PE9870

CAGE CODE 53919

2233

SIZE A

SCALE N/A

CAD FILE 060717

P**E** **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