



WR-430 CPR-430F Flange to N Female Waveguide to Coax Adapter Operating from 1.7 GHz to 2.6 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9872

Features

- L-S Band, 1.7 to 2.6 GHz Frequency Range
- WR-430 Waveguide Interface with CPR-430F Flange
- N Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE9872 is a waveguide to coaxial adapter operating in the L-S band with a 1.7 to 2.6 GHz frequency range. This adapter offers a WR-430 waveguide interface size coupled with a precision tolerance CPR-430F flange. The PE9872 is constructed of aluminum to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses an N type female connector and the package is REACH and RoHS compliant.

Configuration

| | |
|----------------|-------------|
| Waveguide Size | WR-430 |
| Flange | CPR-430F |
| RF Connector | N Female |
| Impedance | 50 Ohms |
| Body Geometry | Right Angle |

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|--------------------|---------|---------|---------|-------|
| Frequency Range | 1.7 | | 2.6 | GHz |
| VSWR | | | 1.3:1 | |
| Input Power (Peak) | | | 500 | Watts |

Mechanical Specifications

| | |
|-------------|----------------------|
| Size | |
| Length | 3.5 in [88.9 mm] |
| Width | 6.34 in [161.04 mm] |
| Height | 4.36 in [110.74 mm] |
| Weight | 1.9522 lbs [885.5 g] |

RF Connector

| | |
|---------------------------|-----------------|
| Connector Type | N Female |
| Body Material and Plating | Stainless Steel |

Waveguide Interface

| | |
|---------------------------|----------|
| Waveguide Type | WR-430 |
| Flange Type | CPR-430F |
| 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-430 CPR-430F Flange to N Female Waveguide to Coax Adapter Operating from 1.7 GHz to 2.6 GHz PE9872](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

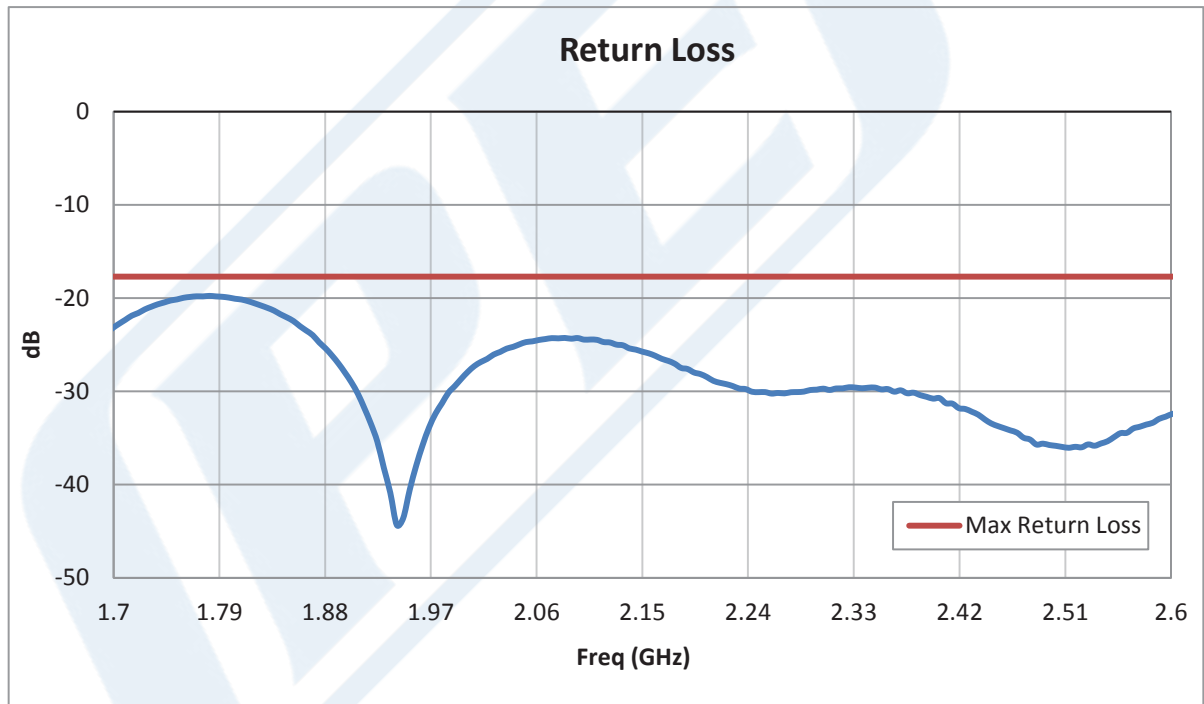
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



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WR-430 CPR-430F Flange to N Female Waveguide to Coax Adapter Operating from 1.7 GHz to 2.6 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-430 CPR-430F Flange to N Female Waveguide to Coax Adapter Operating from 1.7 GHz to 2.6 GHz PE9872](https://www.pasternack.com/wr-430-cpr-430f-flange-to-n-female-waveguide-to-coax-adapter-operating-from-1.7-ghz-to-2.6-ghz-pe9872)

URL: <https://www.pasternack.com/wr-42-sma-female-waveguide-coax-adapter-18-26.5-ghz-pe9872-p.aspx>

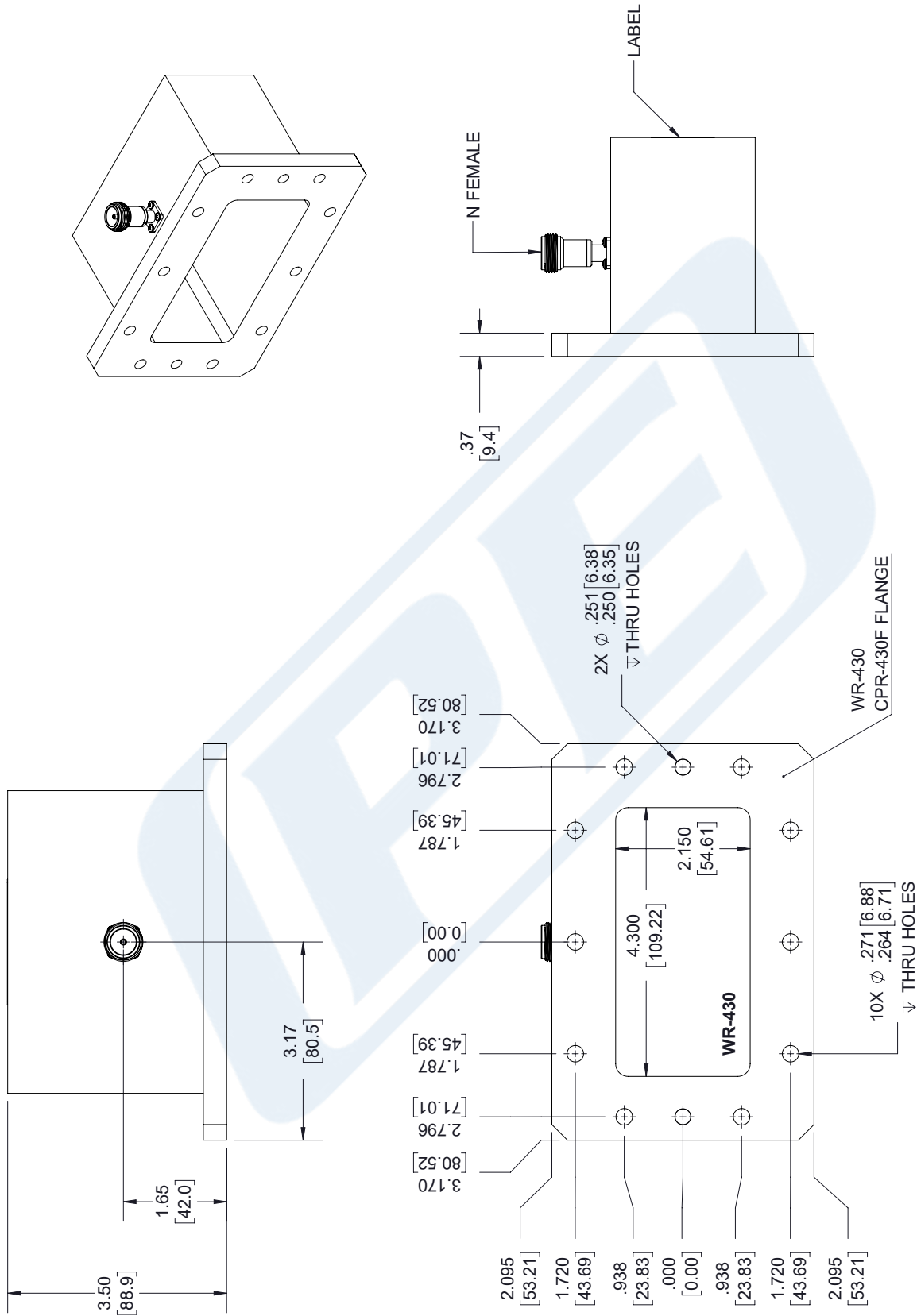
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PE9872 CAD Drawing

WR-430 CPR-430F Flange to N Female Waveguide to Coax Adapter Operating from 1.7 GHz to 2.6 GHz

REVISIONS

| REV. | DESCRIPTION | DATE | APPROVED |
|------|---------------------|----------|----------|
| 1.3 | PCR PE9872 20190528 | 05/29/19 | S. PONG |



LABEL:

PASTERNAK
PE9872 WR-430
1.7 ~ 2.6 GHz

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X±.2 [5.08] FRACTIONS
XX±.01 [.25] ±.132
.XXX±.005 [.13] ANGLES ± 1°

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

(PE) PASTERNAK
an INFINITO brand

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SIZE [CAGE] DRAWN BY PART NUMBER REV
A 53919 K.DANG PE9872 1.3

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SHEET 1 OF 1
SCALE N/A

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