

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

### PE9835



#### Features

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

#### Description

The PE9835 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 PE9835 is constructed of aluminum to ensure durability and repeatable RF performance. The SMA female connector mates with commercially available 2.92mm and 3.5mm connectors. The package is REACH and RoHS compliant.

#### Configuration

|                |             |
|----------------|-------------|
| Waveguide Size | WR-430      |
| Flange         | CPR-430F    |
| RF Connector   | SMA 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) |         |         | 150     | Watts |

#### Mechanical Specifications

|             |                      |
|-------------|----------------------|
| <b>Size</b> |                      |
| Length      | 3.5 in [88.9 mm]     |
| Width       | 6.34 in [161.04 mm]  |
| Height      | 4.19 in [106.43 mm]  |
| Weight      | 1.452 lbs [658.62 g] |

#### RF Connector

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

#### Waveguide Interface

|                           |          |
|---------------------------|----------|
| Waveguide Type            | WR-430   |
| Flange Type               | CPR-430F |
| Body Material and Plating | Aluminum |

#### Environmental Specifications

|                    |                  |
|--------------------|------------------|
| <b>Temperature</b> |                  |
| Operating Range    | -40 to +85 deg C |

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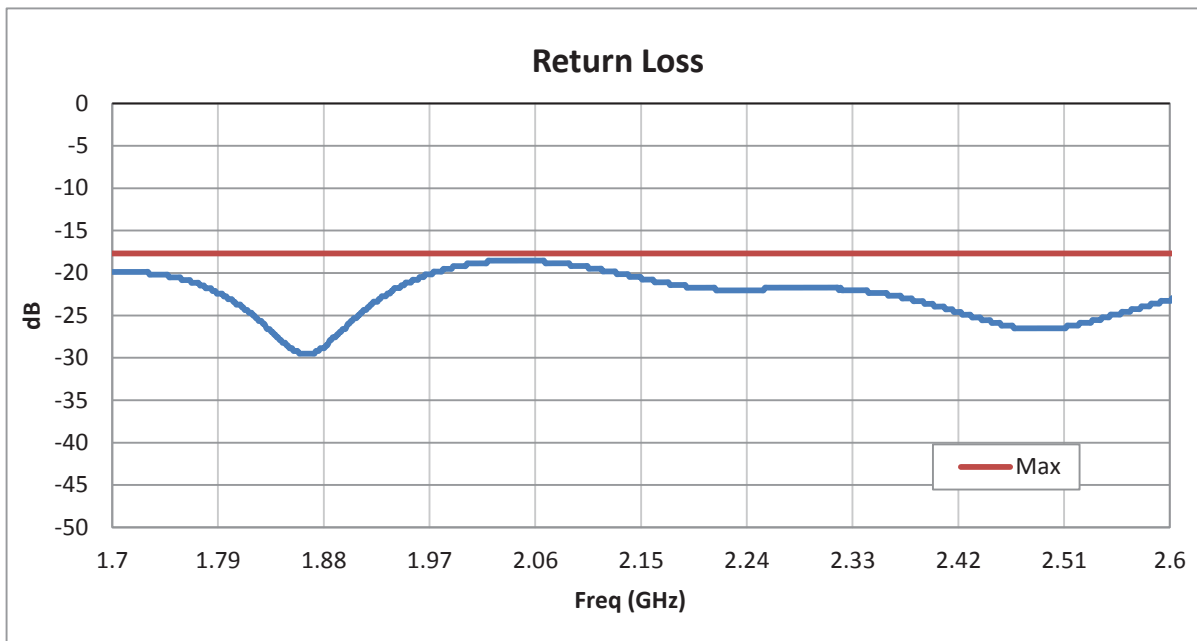
**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

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

### Typical Performance Data



WR-430 CPR-430F Flange to SMA 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 SMA Female Waveguide to Coax Adapter Operating from 1.7 GHz to 2.6 GHz PE9835](#)

URL: <https://www.pasternack.com/wr-430-sma-female-waveguide-coax-adapter-1.7-ghz-2.6-ghz-pe9835-p.aspx>

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