



WR-159 CMR-159 Flange to SMA Female Waveguide to Coax Adapter Operating from 4.9 GHz to 7.05 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9831

Features

- C Band, 4.9 to 7.05 GHz Frequency Range
- WR-159 Waveguide Interface with CMR-159 Flange
- SMA Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE9831 is a waveguide to coaxial adapter operating in the C band with a 4.9 to 7.05 GHz frequency range. This adapter offers a WR-159 waveguide interface size coupled with a precision tolerance CMR-159 flange. The PE9831 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-159
Flange	CMR-159
RF Connector	SMA Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4.9		7.05	GHz
VSWR			1.3:1	
Input Power (Peak)			100	Watts

Mechanical Specifications

Size	
Length	1.77 in [44.96 mm]
Width	2.5 in [63.5 mm]
Height	1.5 in [38.1 mm]
Weight	0.2505 lbs [113.62 g]

RF Connector

Connector Type	SMA Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-159
Flange Type	CMR-159
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-159 CMR-159 Flange to SMA Female Waveguide to Coax Adapter Operating from 4.9 GHz to 7.05 GHz PE9831](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

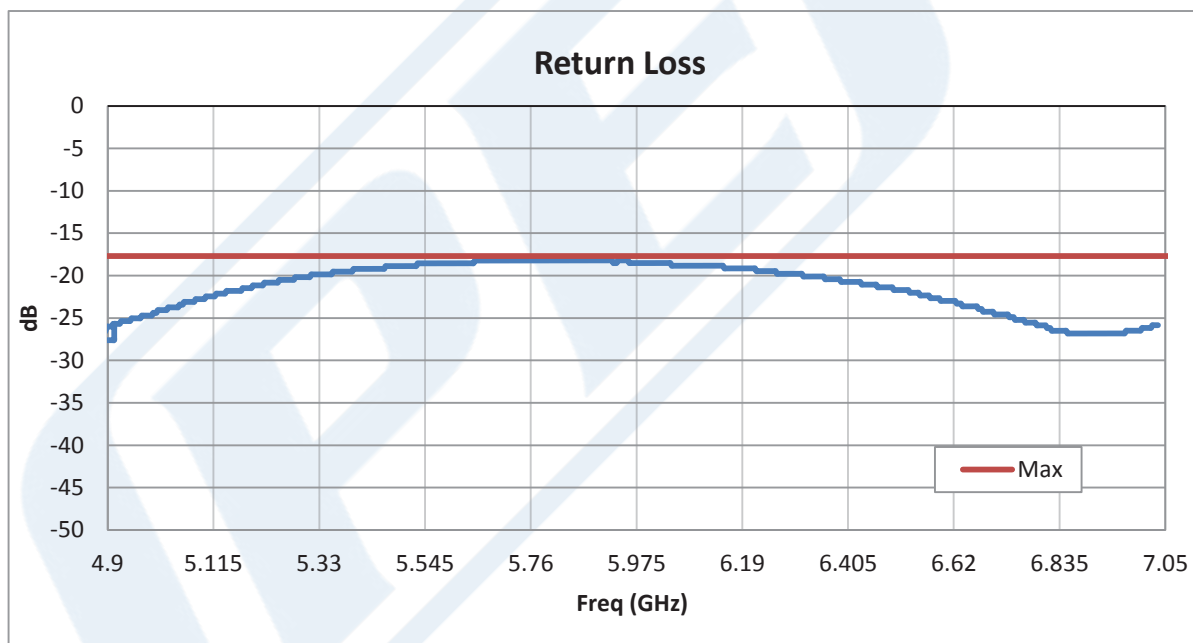
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



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WR-159 CMR-159 Flange to SMA Female Waveguide to Coax Adapter Operating from 4.9 GHz to 7.05 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-159 CMR-159 Flange to SMA Female Waveguide to Coax Adapter Operating from 4.9 GHz to 7.05 GHz PE9831](https://www.pasternack.com/wr-159-sma-female-waveguide-coax-adapter-4.9-ghz-7.05-ghz-pe9831-p.aspx)

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PE9831 CAD Drawing

WR-159 CMR-159 Flange to SMA Female Waveguide to Coax
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