



WR-430 CMR-430 Flange to SMA Female Waveguide to Coax Adapter Operating From 1.7 GHz to 2.6 GHz, L-S Band

Waveguide to Coax Adapters Technical Data Sheet

PE9835

Features

- L-S Band, 1.7 to 2.6 GHz Frequency Range
- WR-430 Waveguide Interface with CMR-430 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 CMR-430 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	CMR-430
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

Size	
Length	3.5 in [88.9 mm]
Width	6.34 in [161.04 mm]
Height	4.19 in [106.43 mm]
Weight	1.464 lbs [664.06 g]

RF Connector

Connector Type	SMA Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-430
Flange Type	CMR-430
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 CMR-430 Flange to SMA Female Waveguide to Coax Adapter Operating From 1.7 GHz to 2.6 GHz, L-S Band PE9835](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant

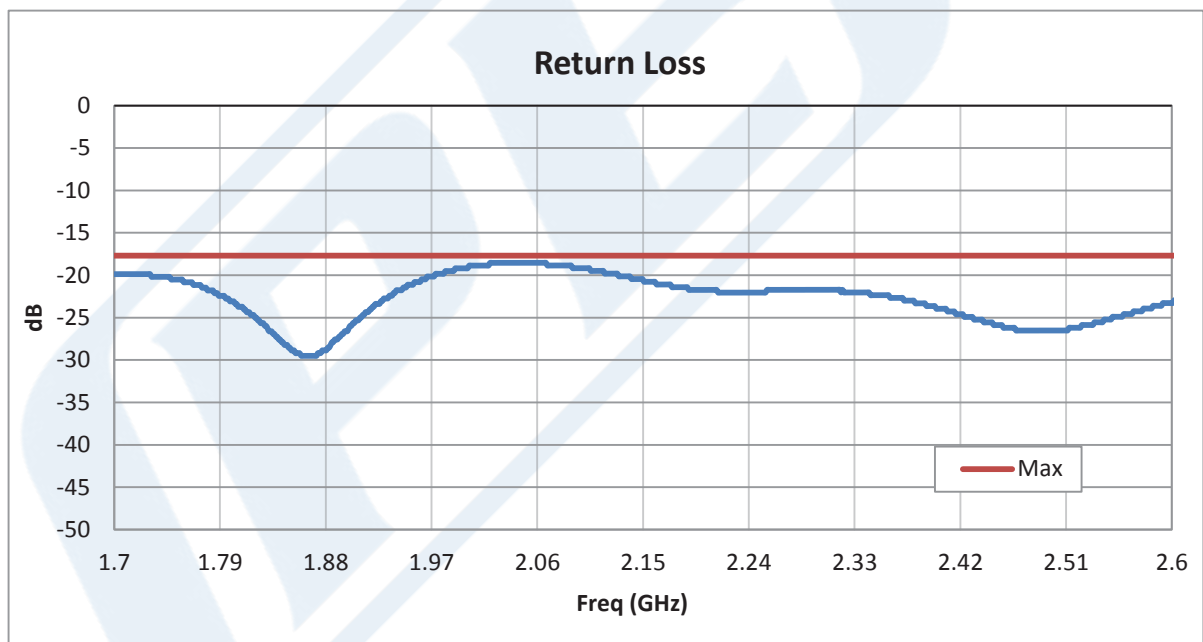
12/17/2015

Plotted and Other Data

Notes:

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

Typical Performance Data



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-430 CMR-430 Flange to SMA Female Waveguide to Coax Adapter Operating From 1.7 GHz to 2.6 GHz, L-S Band PE9835](#)

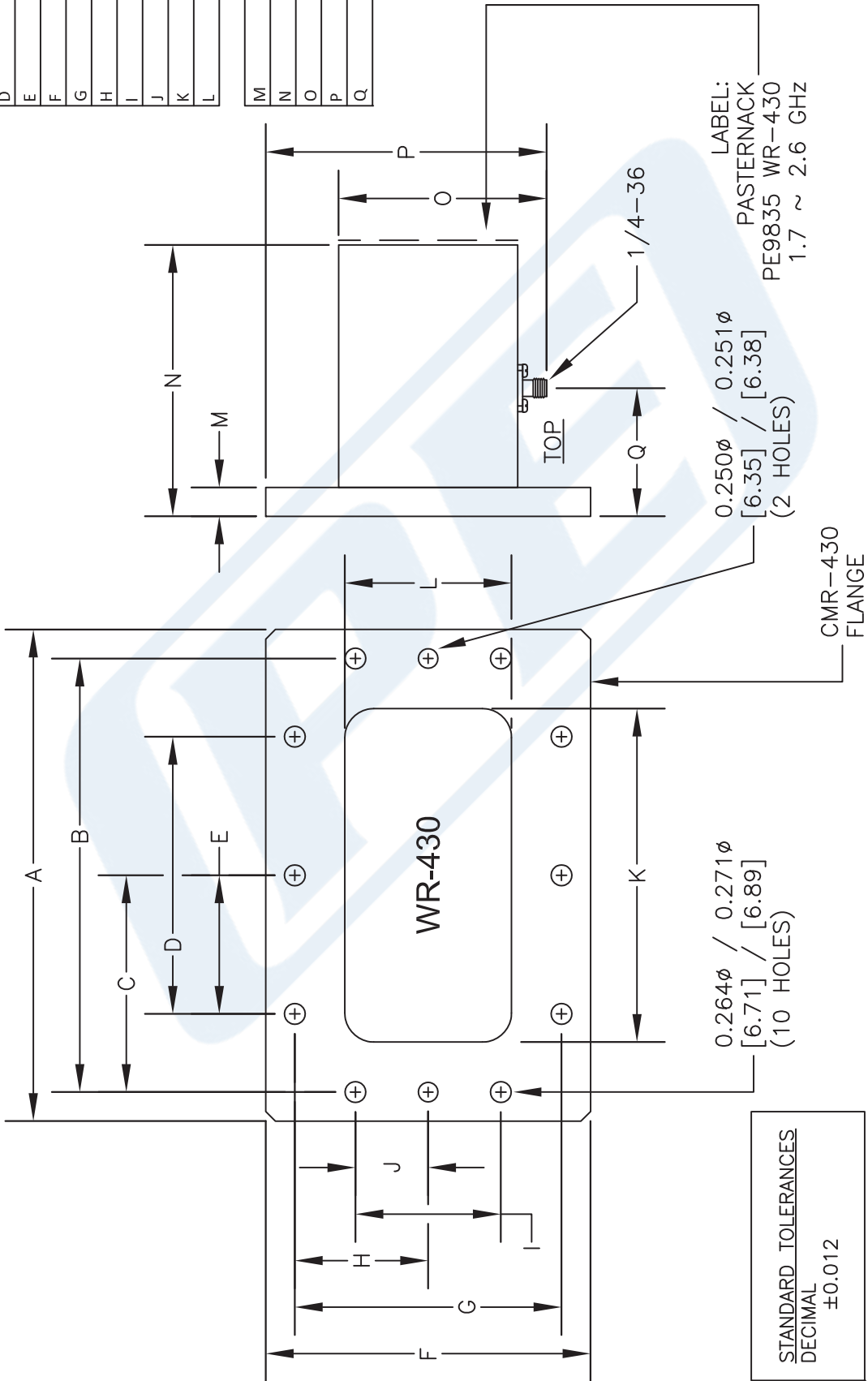


PE9835 CAD Drawing

WR-430 CMR-430 Flange to SMA Female Waveguide to Coax Adapter Operating From 1.7 GHz to 2.6 GHz, L-S Band

WR430	Dimension	Inches	mm
A		6.340	161.04
B		5.591	142.01
C		2.795	70.99
D		3.574	90.78
E		1.787	45.39
F		4.190	106.43
G		3.440	87.38
H		1.720	43.69
I		1.876	47.65
J		0.938	23.83
K		4.300	109.22
L		2.150	54.61

M	0.372	9.45
N	3.500	88.90
O	2.684	68.17
P	3.624	92.05
Q	1.652	41.96



STANDARD TOLERANCES
DECIMAL
±0.012

*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
PE9835

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FSCM NO. 53919

CAD FILE 041116 SCALE N/A SIZE A 3045