



WR-51 Square Type Flange to End Launch SMA Female  
Waveguide to Coax Adapter Operating From 15 GHz to 22 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9879

**Configuration**

Waveguide Size	WR-51
Flange	Square Type
RF Connector	SMA Female
Impedance	50 Ohms
Body Geometry	End Launch

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	15		22	GHz
VSWR			1.3:1	

**Mechanical Specifications**

**Size**

Length	1.16 in [29.46 mm]
Width	1.325 in [33.66 mm]
Height	1.325 in [33.66 mm]
Weight	0.123 lbs [55.79 g]

**RF Connector**

Connector Type	SMA Female
Body Material and Plating	Passivated Stainless Steel

**Waveguide Interface**

Waveguide Type	WR-51
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-51 Square Type Flange to End Launch SMA Female Waveguide to Coax Adapter Operating From 15 GHz to 22 GHz PE9879](#)

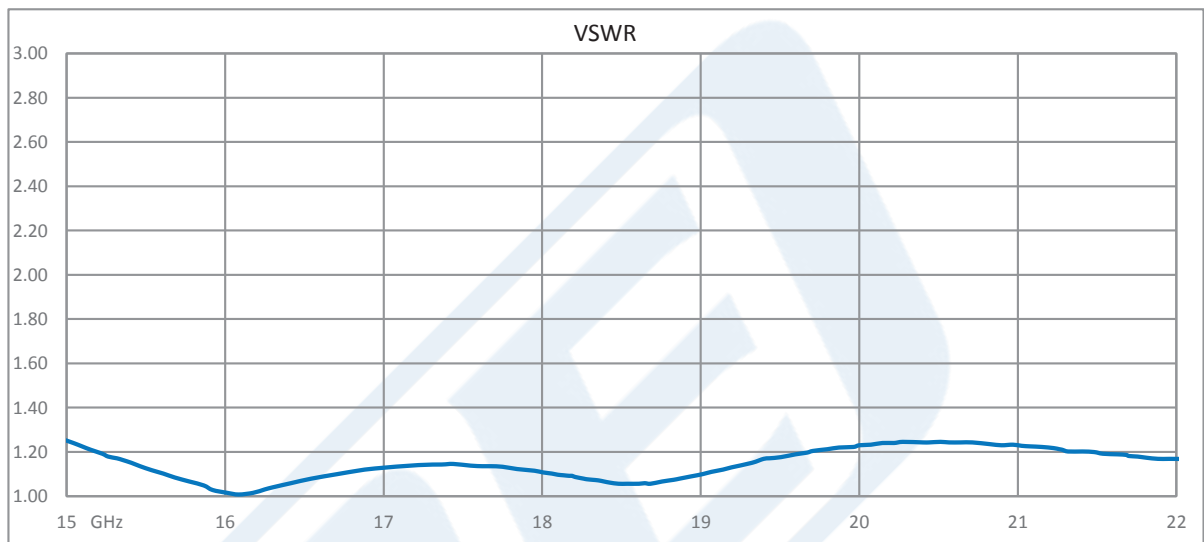


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Typical Performance Data



WR-51 Square Type Flange to End Launch SMA Female Waveguide to Coax Adapter Operating From 15 GHz to 22 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.

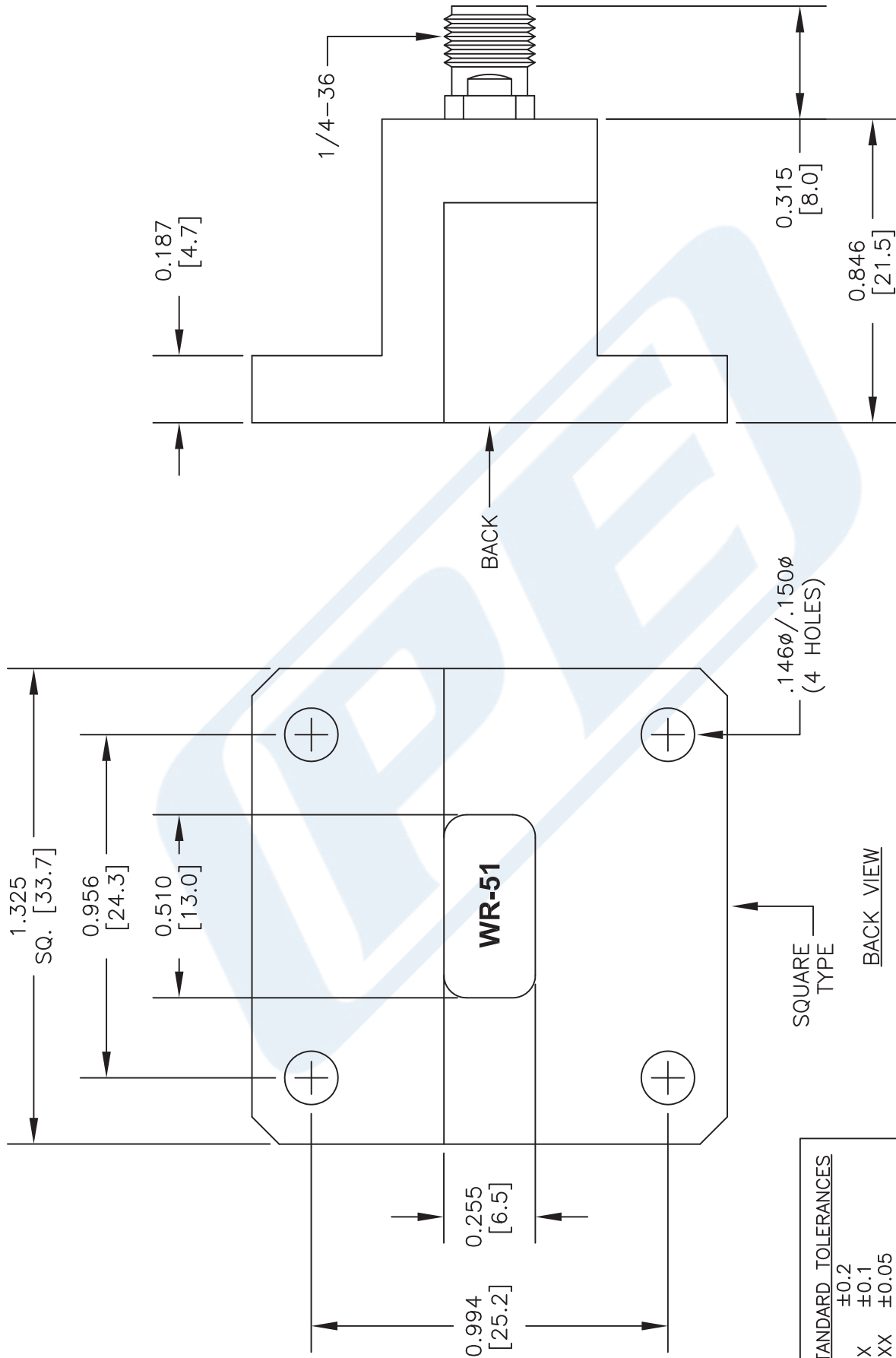
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-51 Square Type Flange to End Launch SMA Female Waveguide to Coax Adapter Operating From 15 GHz to 22 GHz PE9879](https://www.pasternack.com/wr-51-sma-female-waveguide-coax-adapter-15-22-ghz-pe9879-p.aspx)

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE9879 CAD Drawing

WR-51 Square Type Flange to End Launch SMA Female Waveguide to Coax Adapter Operating From 15 GHz to 22 GHz



**STANDARD TOLERANCES**  
 .X  $\pm 0.2$   
 .XX  $\pm 0.1$   
 .XXX  $\pm 0.05$

\*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  
**PE9879**

CAGE CODE **53919**

CAD FILE 060717 SCALE N/A SIZE A 2233

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