



WR-90 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 8.2 GHz to 12.4 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9804

Features

- X Band, 8.2 to 12.4 GHz Frequency Range
- WR-90 Waveguide Interface with Square Type Flange
- SMA Female Coaxial Interface

 Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE9804 is a waveguide to coaxial adapter operating in the X band with a 8.2 to 12.4 GHz frequency range. This adapter offers a WR-90 waveguide interface size coupled with a precision tolerance square Type flange. The PE9804 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
Flange
RF Connector
Impedance
Body Geometry

WR-90 Square Type SMA Female 50 Ohms Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.3:1	
Insertion Loss		0.3	0.5	dB
Input Power (Peak)			100	Watts

Mechanical Specifications

Size

 Length
 1 in [25.4 mm]

 Width
 1.63 in [41.4 mm]

 Height
 1.63 in [41.4 mm]

 Weight
 0.175 lbs [79.38 g]

RF Connector

Connector Type SMA Female
Body Material and Plating Stainless Steel

Waveguide Interface

Waveguide Type WR-90 Flange Type Square Type

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-90 Square Type Flange to SMA Female Waveguide to Coax Adapter Operating from 8.2 GHz to 12.4 GHz PE9804

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (868) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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Body Material and Plating

Aluminum

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

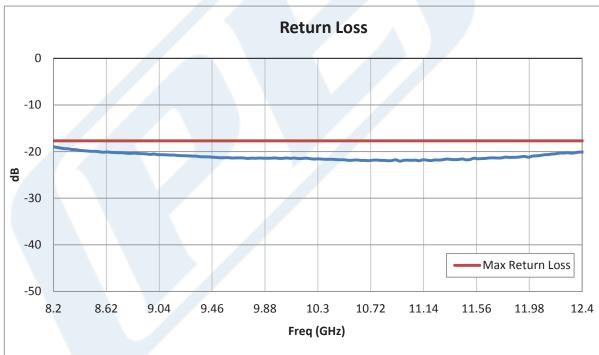
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



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URL: https://www.pasternack.com/wr-90-sma-female-waveguide-coax-adapter-8.2-ghz-12.4-ghz-pe9804-p.aspx

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PE9804 CAD Drawing

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