



WR-90 CPR-90G Grooved Flange to SMA Female Waveguide to Coax Adapter Operating From 8.2 GHz to 12.4 GHz, X Band

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1007

Features

- X Band
- 8.2 to 12.4 GHz Frequency Range
- WR-90 Waveguide Interface

- · Grooved CPR-90G Flange
- SMA Female RF Interface

Applications

- Test Benches
- Radar

- Satellite
- Microwave Radio Systems
- Military and Space
- Communication Systems

Description

The PEWCA1007 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 using a Grooved CPR-90G Flange. The PEWCA1007 is constructed of Copper Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a SMA Female Nickel Plated Brass Connector.

Configuration

Waveguide Size Flange RF Connector Impedance Body Geometry WR-90 CPR-90G SMA Female 50 Ohms Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR		1.25:1		

Mechanical Specifications

Weight 0.292 lbs [132.45 g]

RF Connector

Connector Type SMA Female Body Material and Plating Brass, Nickel

Waveguide Interface

Waveguide Type WR-90 Flange Type CPR-90G

Body Material and Plating Copper Alloy, Paint

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-90 CPR-90G Grooved Flange to SMA Female Waveguide to Coax Adapter Operating From 8.2 GHz to 12.4 GHz, X Band PEWCA1007

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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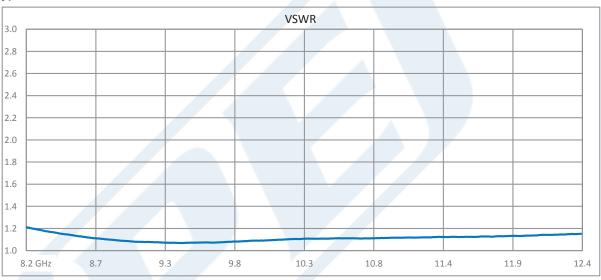
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



WR-90 CPR-90G Grooved Flange to SMA Female Waveguide to Coax Adapter Operating From 8.2 GHz to 12.4 GHz, X Band 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.

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URL: https://www.pasternack.com/wr-90-cpr-90g-grooved-sma-female-waveguide-coax-adapter-12.4-ghz-pewca1007-p. aspx

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PEWCA1007 CAD Drawing

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