

WR-229 CPR-229F Flange to N Female Waveguide to Coax Adapter Operating from 3.22 GHz to 4.9 GHz



PEWCA1124

Features

- WR-229 Waveguide
- Operating Frequency Range from 3.22 GHz to 4.9 GHz
- N Type Coaxial Connector
- Low Insertion Loss 0.2 dB
- Low VSWR 1.25:1
- Excellent Waveguide-to-Coax Transition
- CPR-229F Waveguide Flange
- Durable Aluminum Material Construction
- Reliable RF Performance

Applications

- Test & Measurement
- RF & Microwave Laboratories
- Radar Systems
- Satellite Communications (SATCOM)
- Aerospace & Defense
- Microwave Radio Systems
- Telecom Infrastructure
- RF System Integration
- Production Test Systems
- Research & Development

Description

The PEWCA1124 is a WR-229 waveguide to coax adapter designed to provide an efficient transition between rectangular waveguide and coaxial transmission lines over the 3.22 to 4.9 GHz frequency range. Engineered for low insertion loss and excellent impedance matching, this adapter delivers reliable microwave signal transfer while minimizing reflections. Constructed from Aluminum material and featuring a CPR-229F waveguide flange with a N Type coaxial connector, it offers precision mechanical alignment and rugged performance for commercial, industrial, aerospace, defense, and laboratory applications. Ideal for integrating waveguide and coaxial components, this adapter is part of Pasternack's comprehensive waveguide product portfolio and is stocked for same-day shipment.

Configuration

Waveguide Size	WR-229
Flange	CPR-229F
RF Connector	N Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.22		4.9	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power (CW)			100	Watts

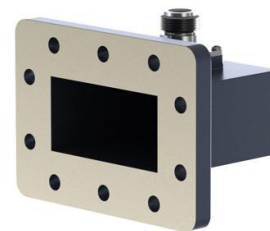
Mechanical Specifications

Size	
Length	3.88 in [98.55 mm]
Width	3.21 in [81.53 mm]
Height	2.18 in [55.37 mm]
Weight	0.7 lbs [317.51 g]

RF Connector	
Connector Type	N Female

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Waveguide Interface

Waveguide Type

WR-229

Flange Type

CPR-229F

Body Material and Plating

Aluminum, Chromate Conversion

Environmental Specifications

Temperature

Operating Range

-40 to +70 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

WR-229 CPR-229F Flange to N Female Waveguide to Coax Adapter Operating from 3.22 GHz to 4.9 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-229 CPR-229F Flange to N Female Waveguide to Coax Adapter Operating from 3.22 GHz to 4.9 GHz PEWCA1124](#)

URL: <https://www.pasternack.com/wr229-cpr-229f-flange-to-type-n-female-waveguide-coax-adapter-4.9ghz-pewca1124-p.aspx>

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