



WR-75 Square Cover Flange to SMA Female Waveguide to Coax Adapter Operating From 10 GHz to 15 GHz, M Band

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1004

Features

- M Band
- 10 to 15 GHz Frequency Range
- WR-75 Waveguide Interface
- Standard Square Cover Flange
- SMA Female RF Interface

Applications

- Test Benches
- Radar
- Satellite
- Microwave Radio Systems
- Military and Space
- Communication Systems

Description

The PEWCA1004 is a waveguide to coaxial adapter operating in the M Band with a 10 to 15 GHz frequency range. This adapter offers a WR-75 waveguide interface size using a standard Square Cover Flange. The PEWCA1004 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	WR-75
Flange	Square Cover
RF Connector	SMA Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	10		15	GHz
VSWR		1.25:1		

Mechanical Specifications

Size	
Length	1.5 in [38.1 mm]
Width	1.5 in [38.1 mm]
Height	1.25 in [31.75 mm]
Weight	0.245 lbs [111.13 g]

RF Connector

Connector Type	SMA Female
Body Material and Plating	Brass, Nickel

Waveguide Interface

Waveguide Type	WR-75
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 Square Cover Flange to SMA Female Waveguide to Coax Adapter Operating From 10 GHz to 15 GHz, M Band PEWCA1004](#)



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Flange Type
Body Material and Plating

Square Cover
Copper Alloy, Paint

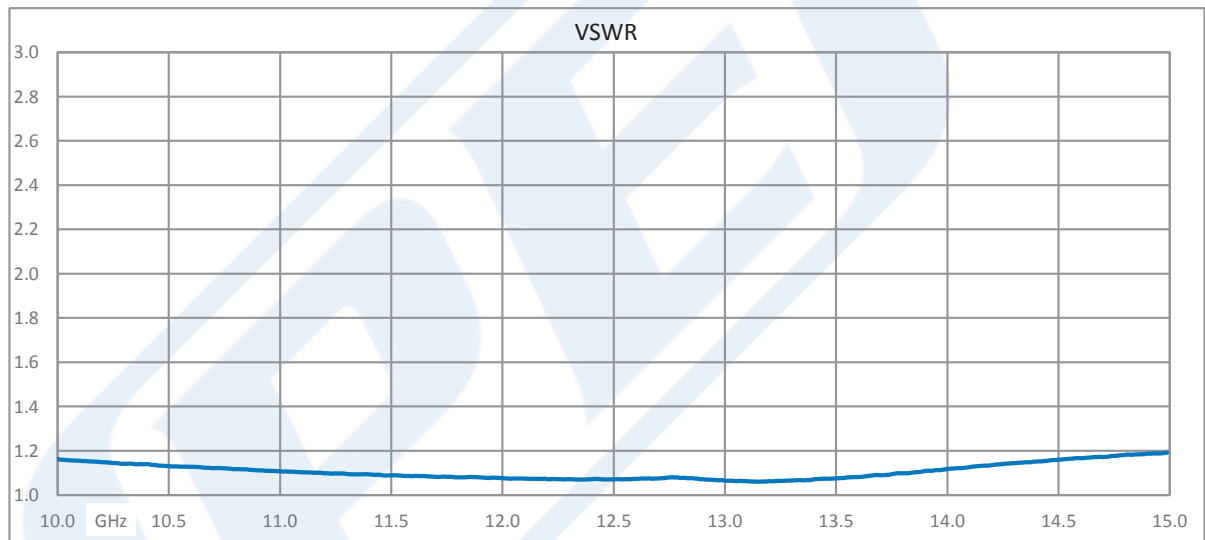
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



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WR-75 Square Cover Flange to SMA Female Waveguide to Coax Adapter Operating From 10 GHz to 15 GHz, M 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.

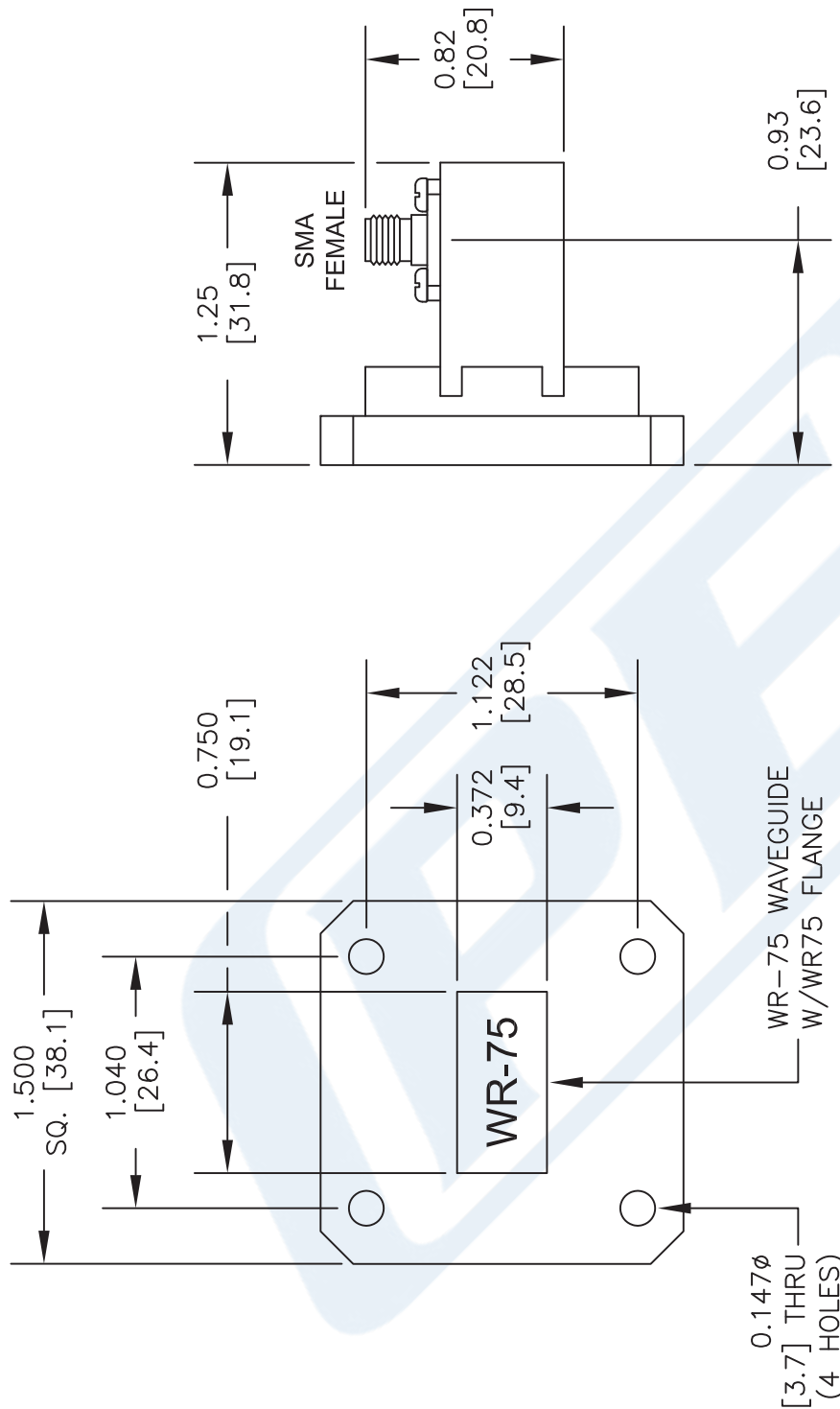
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 Square Cover Flange to SMA Female Waveguide to Coax Adapter Operating From 10 GHz to 15 GHz, M Band PEWCA1004](https://www.pasternack.com/wr-75-square-sma-female-waveguide-coax-adapter-15-ghz-pewca1004-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.

PEWCA1004 CAD Drawing

WR-75 Square Cover Flange to SMA Female Waveguide to Coax
Adapter Operating From 10 GHz to 15 GHz, M Band



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
DECIMALS ANGLES
.X ±.030 ±1/2 DEG.
.XX ±.015 FRACTIONS
.XXX ±.005 ±1/32

* THESE DIMENSIONS AND TOLERANCES
SUPERSEDE NOTE #1 ON TITLE BLOCK.

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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DWG TITLE

PEWCA1004

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].

CAGE CODE 53919

CAD FILE 062917

SCALE N/A

SIZE A

2233