



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
----------------	-------

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](#)



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

Flange Type
Body Material and Plating

Square Cover
Copper Alloy, Paint

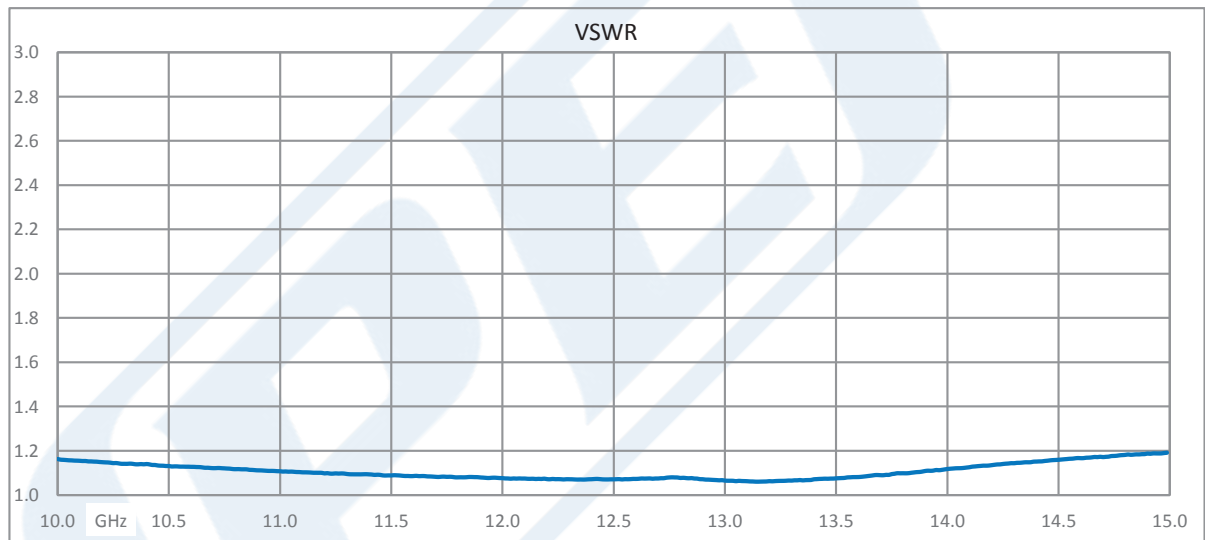
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

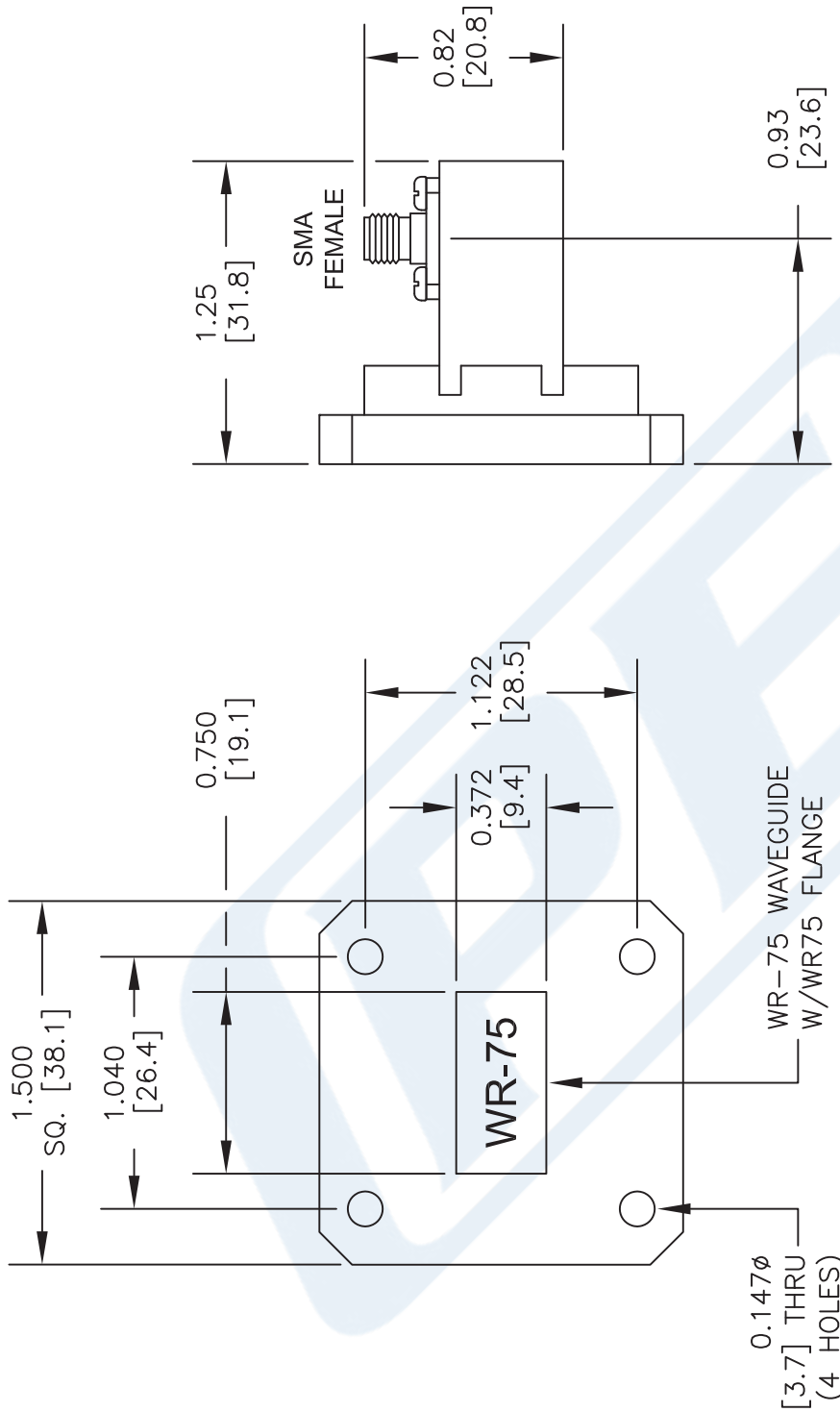
Typical Performance Data



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](#)

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

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

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