



## 2 Way WR-22 Waveguide Power Divider UG Round Cover Flange From 36.7 GHz to 40 GHz, Brass

### Waveguide Power Dividers Technical Data Sheet

**PEW22DV001**

#### Features

- 2-Way Waveguide Power Divider
- WR-22 Waveguide Interface
- 36.7 to 40 GHz Frequency Range
- Max Power 2 Watts (CW)
- Insertion Loss 0.4 dB max
- Isolation 17 dB min

#### Applications

- Test Benches
- Radar/Satellite
- Microwave Radio
- Attenuation Measurements
- Power Measurements

#### Description

Pasternack carries a wide selection of waveguide power dividers to fit your needs. These components are essential in many systems, allowing the combination of multiple signals or splitting of a single signal into multiple signals with equal magnitude and phase.

The PEW22DV001 is a 2-way waveguide power divider that operates from 36.7 to 40 GHz and can handle up to 2 Watts (CW) with 0.4 dB max insertion loss and 17 dB min isolation. The package uses WR-22 waveguide interface.

#### Electrical Specifications

Number of Output Ports 2

Description	Minimum	Typical	Maximum	Units
Frequency Range	36.7		40	GHz
Input VSWR			1.2:1	
Output VSWR			1.3:1	
Insertion Loss			0.4	dB
Isolation	17			dB
Amplitude Balance			0.3	dB
Phase Balance			3	Degrees
Input Power (CW)			2	Watts
Input Power (Peak)			1	kWatts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Way WR-22 Waveguide Power Divider UG Round Cover Flange From 36.7 GHz to 40 GHz, Brass PEW22DV001](#)



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**Mechanical Specifications**

**Size**

Length	1.55 in [39.37 mm]
Width	1.97 in [50.04 mm]
Height	1.67 in [42.42 mm]
Weight	1.08 lbs [489.88 g]

Housing Material and Plating Copper, Gold

**Configuration**

Input Waveguide Size	WR-22
Input Flange Designation	FUGP400
Input Flange Type	UG Cover
Output Waveguide Size	WR-22
Output Flange Type	UG Cover

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

**Plotted and Other Data**

Notes:

2 Way WR-22 Waveguide Power Divider UG Round Cover Flange From 36.7 GHz to 40 GHz, Brass 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.

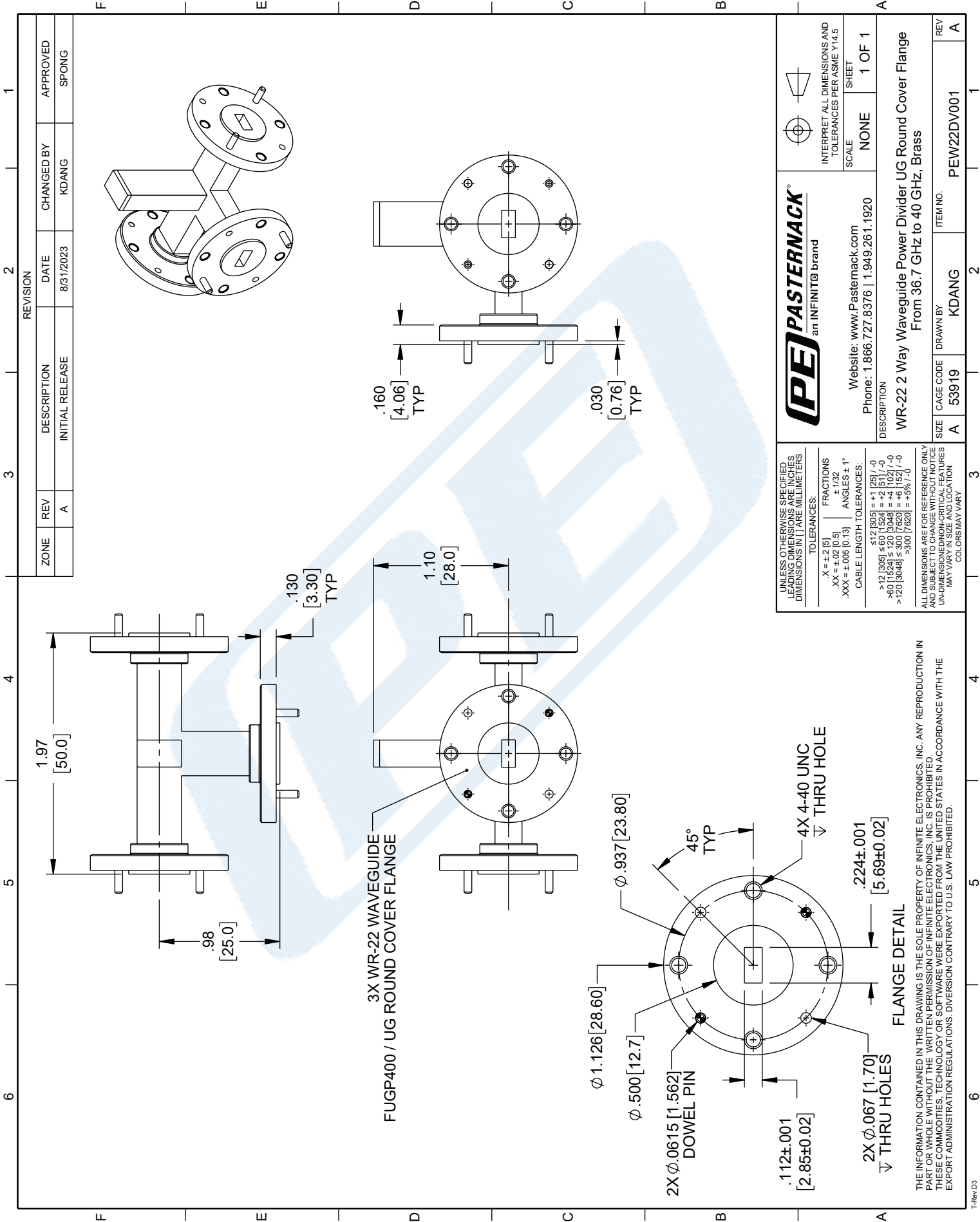
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URL: <https://www.pasternack.com/pew22dv001-p.aspx>

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.

# PEW22DV001 CAD Drawing

2 Way WR-22 Waveguide Power Divider UG Round Cover  
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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A	A	INITIAL RELEASE	8/31/2023	KDANG	SPONG

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5]	FRACTIONS
.XX = ±.02 [0.5]	± 1/32
.XXX = ±.005 [0.13]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

<12 [305]	±.1 [25]
>12 [305] < 60 [1524]	±.2 [51]
>60 [1524] < 120 [3048]	±.4 [102]
>120 [3048]	±.8 [203]

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED. DIMENSIONS IN NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

DESCRIPTION  
WR-22 2 Way Waveguide Power Divider UG Round Cover Flange  
From 36.7 GHz to 40 GHz, Brass

CAGE CODE A 53919

DRAWN BY KDANG

ITEM NO. PEW22DV001