PASTERNACK
an INFINITE brand



WR-62 Waveguide Rotary Joint, UG Cover Flanges, Inline Style in Aluminum

TECHNICAL DATA SHEET PEW62RJ0002

Features

- WR-62 Waveguide
- Operating Frequency Range from 13.75 GHz to 14.5 GHz
- UG Cover/UG Cover Flanges
- Inline Style Configuration
- 1.2:1 Max VSWR
- 100 Watts (CW) Max Power Handling
- Insertion loss(Max): 0.3 dB
- Rotating Speed (Max): 30 RPM
- Lifetime (Min): 500 x 10^4 Revolutions

Applications

- Radar Systems
- Military and Space
- Wireless Radio Systems
- Communication Systems
- R&D Labs
- Maritime Waveguide Systems

Description

Waveguide rotary joints are used to connect waveguide components which need to rotate or change orientation during operation within a waveguide system. Designed to perform in harsh operating environment, PEW62RJ002 from Pasternack is a WR-62 waveguide rotary joint that operates in the frequency range of 13.75 GHz to 14.5 GHz. This WR-62 waveguide rotary joint has a Max VSWR of 1.2:1. This waveguide rotary joint is made of painted brass and incorporates UG Cover/UG Cover flange interface with maximum rotary speed of 30 RPM and minimum life time of 500 x 10^4 Revolutions. Waveguide rotary joints are part of Pasternack's comprehensive waveguide product offerings which are available in stock and ready for same-day shipment.

Electrical Specifications (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	13.75		14.5	GHz
VSWR			1.2:1	
VSWR 1, Rotational Variance			0.05	
Insertion Loss			0.3	dB
Input Power (CW)			100	Watts
Peak Power			1	kWatts
Insertion Loss Rotational Variance			0.05	dB
Phase Rotational Variance			2	Degrees

Mechanical Specifications

Description	Minimum	Typical	Maximum	Units
Temperature				
Operating Temperature		-40 to 70 ºC		
Storage Temperature		-55 to 85 ºC		
Humidity		85% (Max)		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-62 Waveguide Rotary Joint, UG Cover Flanges, Inline Style in Aluminum PEW62RJ0002

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Size

Weight	0.0622 lbs [28.21 g]

Interface

Waveguide Size	WR-62
Flange Type 1	UG Cover
Flange Type 2	UG Cover
Body Material and Plating	Aluminum, Paint
Rotating Speed	30 RPM
Lifetime	500 x 10^4 Revolutions
Starting Torque	1.77 in-lbs [0.2 Nm]
Torque During Rotation	0.88 in-lbs [0.1 Nm]
IP Protection Level	IP54

Compliance Certifications (see product page for current document)

Plotted and Other Data

WR-62 Waveguide Rotary Joint, UG Cover Flanges, Inline Style in Aluminum 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-62 Waveguide Rotary Joint, UG Cover Flanges, Inline Style in Aluminum PEW62RJ0002

URL: https://www.pasternack.com/pew62rj0002-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.

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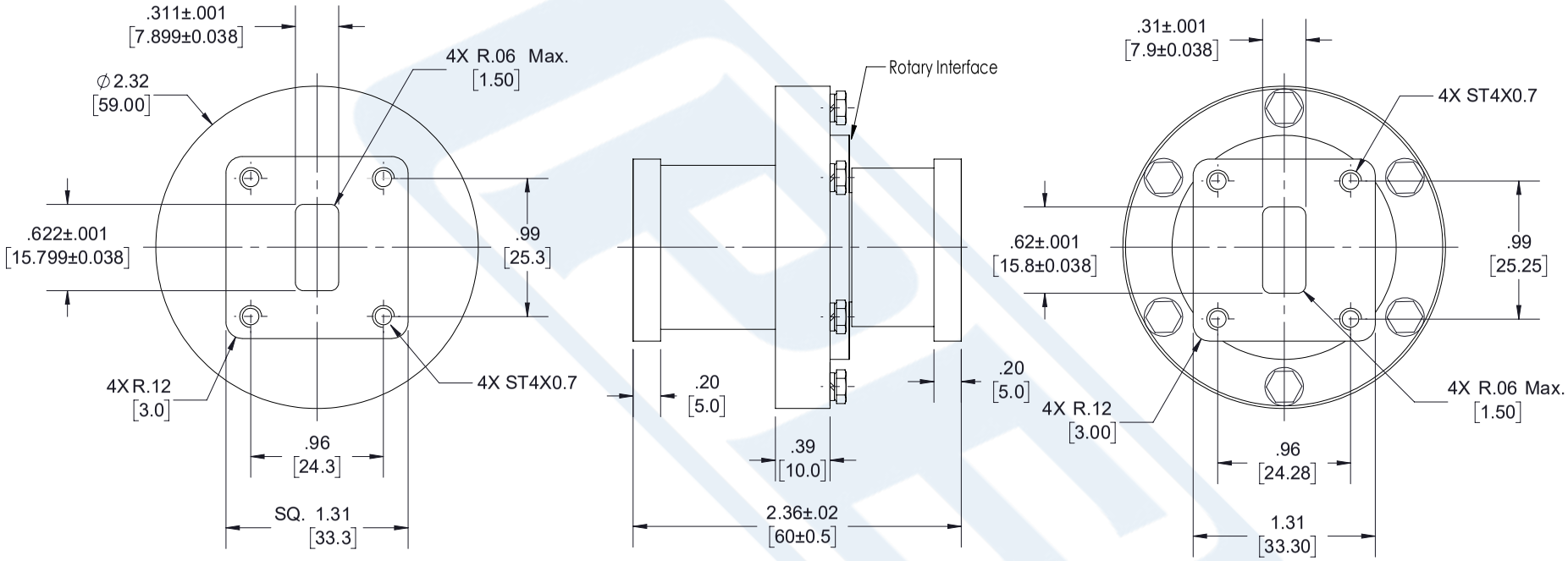
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PEW62RJ0002 CAD Drawing

WR-62 Waveguide Rotary Joint, UG Cover Flanges, Inline Style in Aluminum

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/04/2021	SPONG



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08]	FRACTIONS
.XX = ± .02 [.51]	± 1/32
.XXX = ± .005 [.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	MVEERAPPAN	PEW62RJ0002	A

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