

WR-22 Twistable Flexible Waveguide 12 Inch, UG-383/U Round Cover Flange Operating from 33 GHz to 50 GHz

Flexible Waveguides Technical Data Sheet

Features

- Twelve inch long WR-22 waveguide
- Twistable
- Flexes in both the E and H plane
- Neoprene sleeve allows pressurization

Applications

- Simplifies positioning parabolic reflectors for line of sight microwave radio links.
- Test Benches

- Eliminates installation problems
- caused by misalignment.Allows expansion/contraction due to thermal issues.
- UG-383/U Round Cover Flange
- Q Band
- 33 GHz to 50 GHz Frequency Range
- · Brass flanges with a silver plated brass body
 - Pressurized waveguide systems
 - Provides vibration isolation
 - Microwave Radio

Description

The PE-W22TF005-12 is part of Pasternack's family of flexible, twistable waveguides which operates in the 33 to 50 GHz, Q Band range. The flexible waveguide section is made of a helically wound silver coated brass strip. It can be twisted and/or bent in both the E and H planes without impairing VSWR or attenuation. The waveguide section is covered by a neoprene jacket which protects the waveguide, provides mechanical support and allows the waveguide to be pressurized.

Electrical Specifications

Minimum	Typical	Maximum	Units
33		50	GHz
	1.3:1		
	0.6		dB
		25	Watts
		12	kWatts
		33 1.3:1	33 50 1.3:1 0.6 25

Mechanical Specifications

Waveguide Size Waveguide Design Section Length E-Plane Minimum Bend Radius, One Time E-Plane Minimum Bend Radius, Repeated H-Plane Minimum Bend Radius, Repeated Maximum Offset Rotation, One Time Maximum Offset Rotation, Repeated Maximum Operating Pressure

WR-22 Twistable 12 [in [304.8 mm]] 1 in [25.4 mm] 4 in [101.6 mm] 2 in [50.8 mm] 8 in [203.2 mm] 180 degrees/ft 70 degrees/ft 45 psig

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-22 Twistable Flexible Waveguide 12 Inch, UG-383/U Round Cover Flange Operating from 33 GHz to 50 GHz PE-W22TF005-12

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com



PE-W22TF005-12

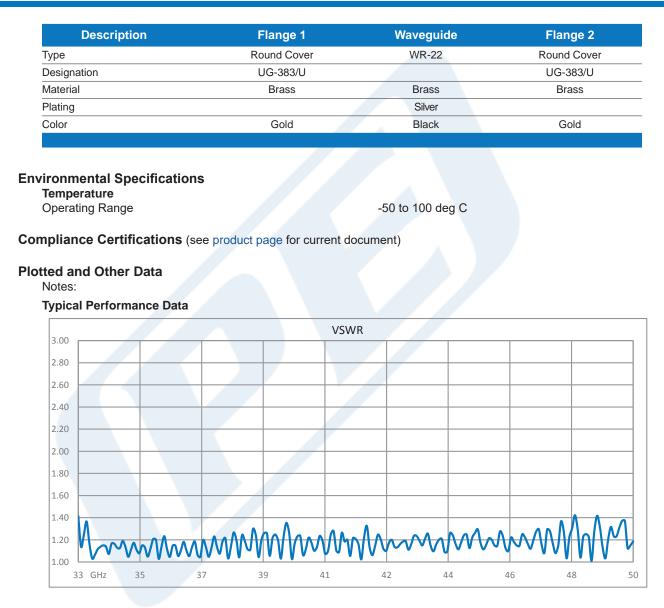




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URL: https://www.pasternack.com/wr22-twistable-flexible-waveguide-ug383-round-33-50-ghz-pe-w22tf005-12-p.aspx

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