

WR-112 Flexible Waveguide Twist With a UG-51/U Flange Operating From 7.05 GHz to 10 GHz

Waveguide Twists Technical Data Sheet

Features

- Twelve inch long WR-112 waveguide
- Twistable
- Flexes in both the E and H plane

Applications

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

- Neoprene sleeve allows pressurization
- 7.05 GHz to 10 GHz Frequency Range
- Brass flanges with a silver plated brass body
- Eliminates installation problems caused by misalignment.
- Allows expansion/contraction due to thermal issues.
- Pressurized waveguide systems
- Provides vibration isolation
- Microwave Radio

Description

The PE-W112TF005-12 is part of Pasternack's family of flexible, twistable waveguides which operates in the 7.05 to 10 GHz range. The waveguide body 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 is covered by a neoprene jacket which protects the waveguide, provides mechanical support and allows the waveguide to be pressurized.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	7.05		10	GHz
VSWR		1.3:1		
Insertion Loss		0.12		dB

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, One Time H-Plane Minimum Bend Radius, Repeated Maximum Offset Rotation, One Time Maximum Offset Rotation, Repeated Maximum Operating Pressure WR-112 Twistable 12 in [304.8 mm] 3 in [76.2 mm] 12 in [304.8 mm] 6 in [152.4 mm] 24 in [609.6 mm] 80 degrees/ft 20 degrees/ft 35 psig

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-112 Flexible Waveguide Twist With a UG-51/U Flange Operating From 7.05 GHz to 10 GHz PE-W112TF005-12

PE-W112TF005-12 REV 1.0

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

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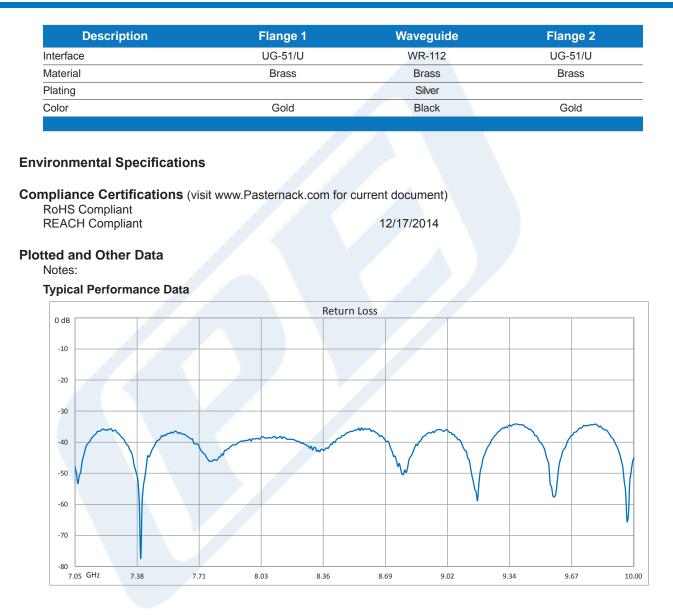




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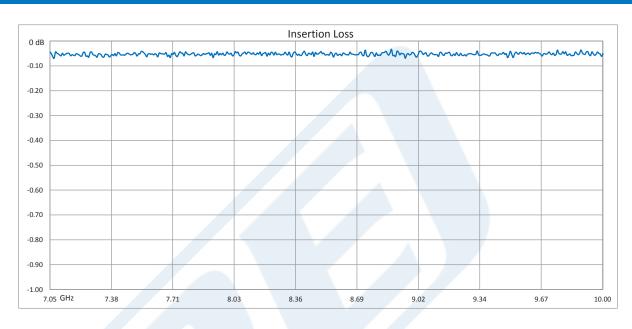




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WR-112 Flexible Waveguide Twist With a UG-51/U Flange Operating From 7.05 GHz to 10 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/wr-112-flexible-waveguide-twist-ug51-7.05-10-ghz-pe-w112tf005-12-p.aspx

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PE-W112TF005-12 CAD Drawing

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