PASTERNACK
THE ENGINEER'S RF SOURCE

WR-51 Flexible Waveguide Twist With a Square Cover Flange Operating From 15 GHz to 22 GHz

Waveguide Twists Technical Data Sheet PE-W51TF005-36

Features

- Thirty six inch long WR-51 waveguide
- Twistable
- Flexes in both the E and H plane
- Neoprene sleeve allows pressurization
- 15 GHz to 22 GHz Frequency Range
- Brass flanges with a silver p

Applications

- Simplifes position reflectors for line microwave radio links.
- Test Benches
- Eliminates installation problems caused by misalignment.
- Allows expansion/contraction due to thermal issues.
- Pressurized waveguide systems
- Provides vibration isolation
- Microwave Radio

Description

The PE-W51TF005-36 is part of Pasternack's family of flexi range. The waveguide body is made of a helically wound sil 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 wave

Electrical Specifcations

Description	Minimum	Typical	Maximum	Units
Frequency Range	15		22	GHz
VSWR		1.15:1		
Insertion Loss		1.65		dB

Mechanical Specifcations

Waveguide Size	WR-51
Waveguide Design	Twistable
Section Length	36 in [914.4 mm]
E-Plane Minimum Bend Radius, One Time	5 in [127.0 mm]
E-Plane Minimum Bend Radius, Repeated	8 in [203.2 mm]
H-Plane Minimum Bend Radius, One Time	4 in [101.6 mm]
H-Plane Minimum Bend Radius, Repeated	16 in [406.4 mm]
Maximum Offset Rotation, One Time	36 degrees/ft
Maximum Offset Rotation, Repeated	24 degrees/ft
Maximum Operating Pressure	45 psig

Click the following link (or enter part number in "SEARC inventory and WRc-e5r1t iFfloeaxtiibolnes.Waveguide Twist With a Square 22 GHz PE-W51TF005-36

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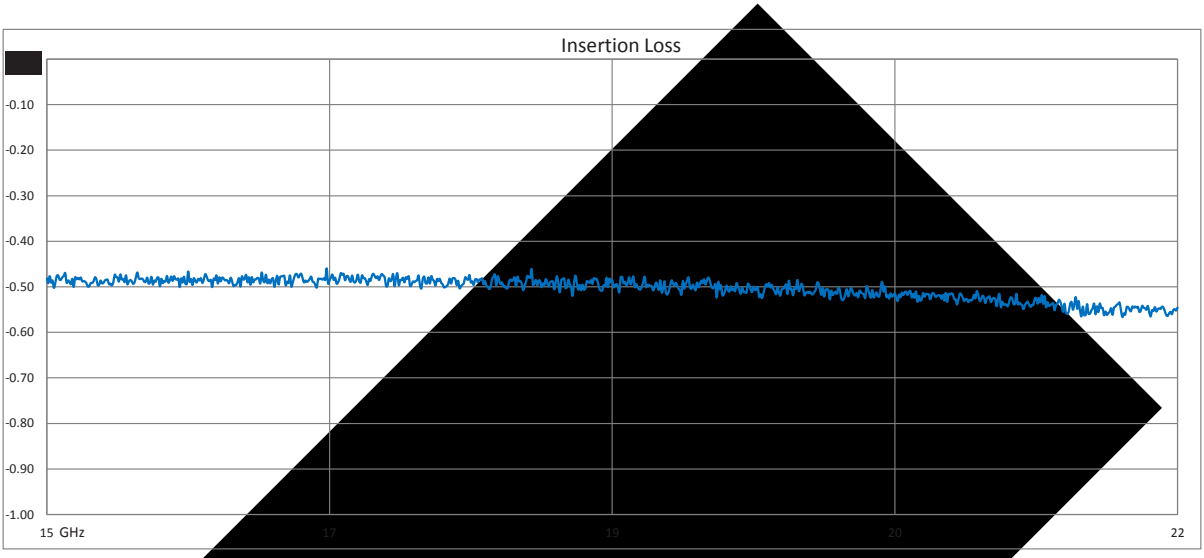

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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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