

WR-12 90 Degree Right-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 60 GHz to 90 GHz



PEW12TW001

Features

- WR-12 Waveguide
- 60 to 90 GHz
- UG-387/U-Mod Flange
- 1.06:1 Maximum VSWR
- 90° Right-hand Twist

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production Systems

Description

The PEW12TW001 is a 90 degree waveguide twist that is part of a family of precision manufactured twists with round flange per MIL-DTL-85. The family includes right and left hand 45 degree twists as well as 90 degree twists. These twists are offered in the Ka through W waveguide bands (18 to 110 GHz).

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	60		90	GHz
VSWR		1.06:1		
Insertion Loss			0.25	dB

Electrical Specification Notes:
VSWR measurement is the representation of the load used for testing

Mechanical Specifications

Waveguide Size WR-12
Section Length 1.25 in [31.75 mm]

Description	Flange 1	Waveguide	Flange 2
Interface	UG-387/U-M	WR-12	UG-387/U-M
Material	Brass	Brass	Brass
Plating	Gold	Gold	Gold
Color	Gold	Gold	Gold

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

Plotted and Other Data

Notes:

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Typical Performance Data

WR-12 90 Degree Right-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 60 GHz to 90 GHz 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-12 90 Degree Right-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 60 GHz to 90 GHz PEW12TW001](https://www.pasternack.com/wr-12-90-waveguide-twist-ug387mod-60-90-ghz-pew12tw001-p.aspx)

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PEW12TW001 CAD Drawing

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