

V-Band Compact Waveguide Twist

WR15/50.5-75GHz/Twist Bend/19.1mm

Model: TLTB-050075-15-B

TLTB-050075-15-B is a WR-15, 90°, compact waveguide twist with a UG-387/U-M flange on one end. The opposite end is compatible with a UG-387/U-M flange. The overall length of the twist is 19.1 mm. The waveguide twist is manufactured through a precision machining process to ensure high quality and ruggedness. The waveguide twist is offered to cover the frequency range of 50.5 to 75 GHz.

Features:

- Frequency Coverage: 50.5 to 75 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss
- Compact Size

Applications:

- Test Instrumentation
- Sub-assemblies
- Lab Use

Electrical Characteristics:

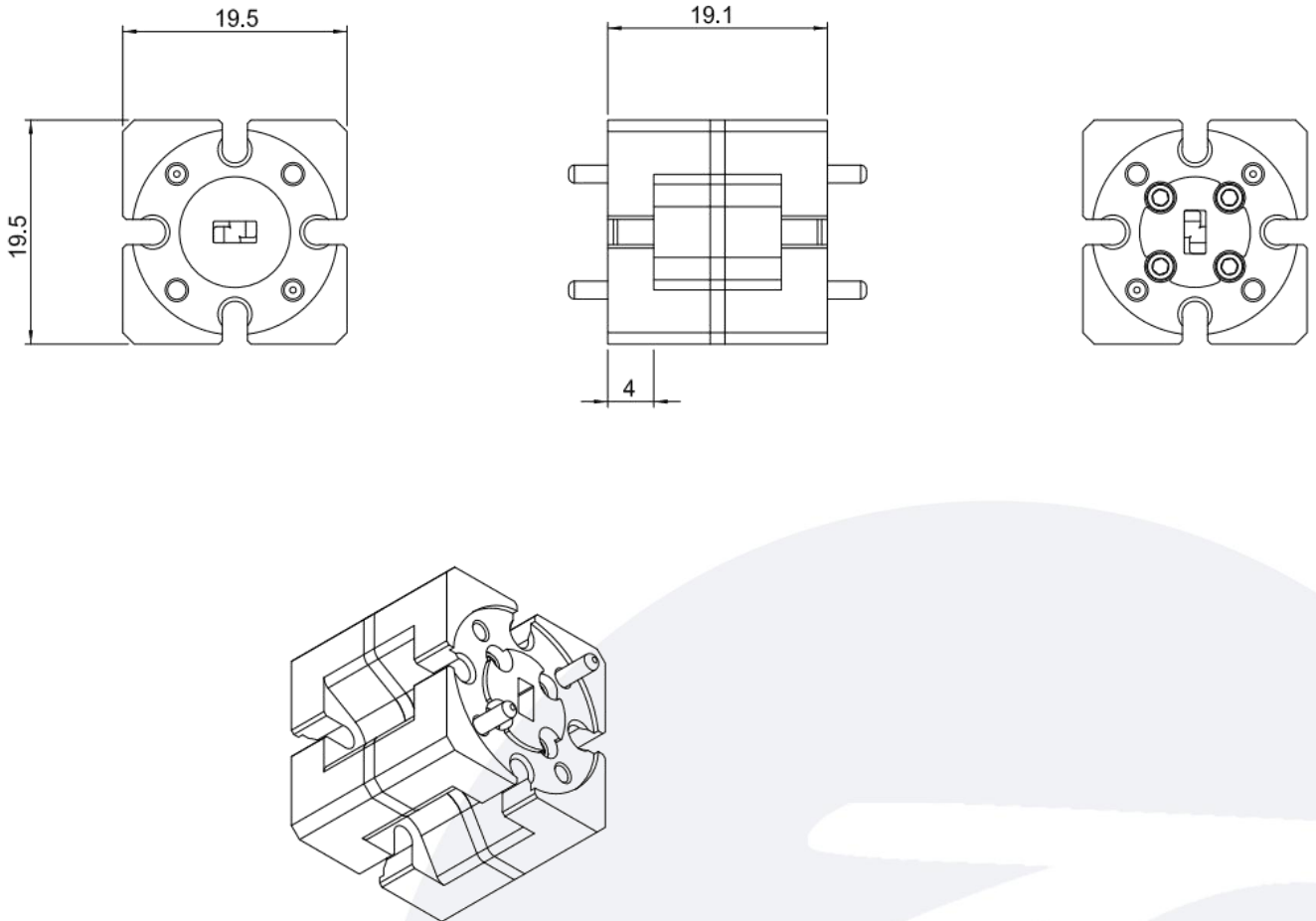
Parameter	Min	Typ	Max	Units
Frequency	50.5		75	GHz
Insertion Loss		0.3		dB
Return Loss		-20		dB
Specification Temperature		25		°C

Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-40~+85	°C
Waveguide Size	WR-15/UG-385/U	
Twist Angle	90	°
Material	Brass	
Size	19.5*19.5*19.1	mm

Outline Drawing:

Unit:mm

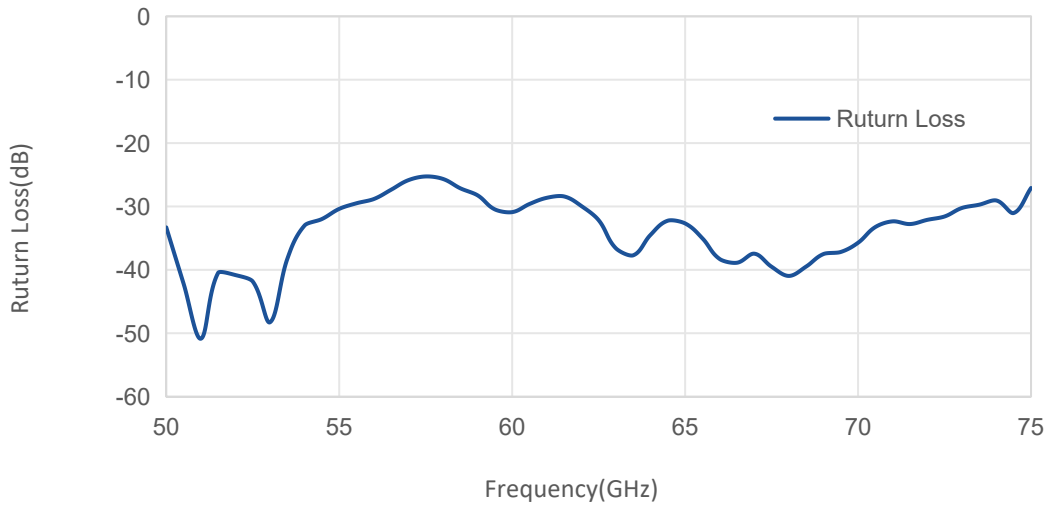


Ordering Information:

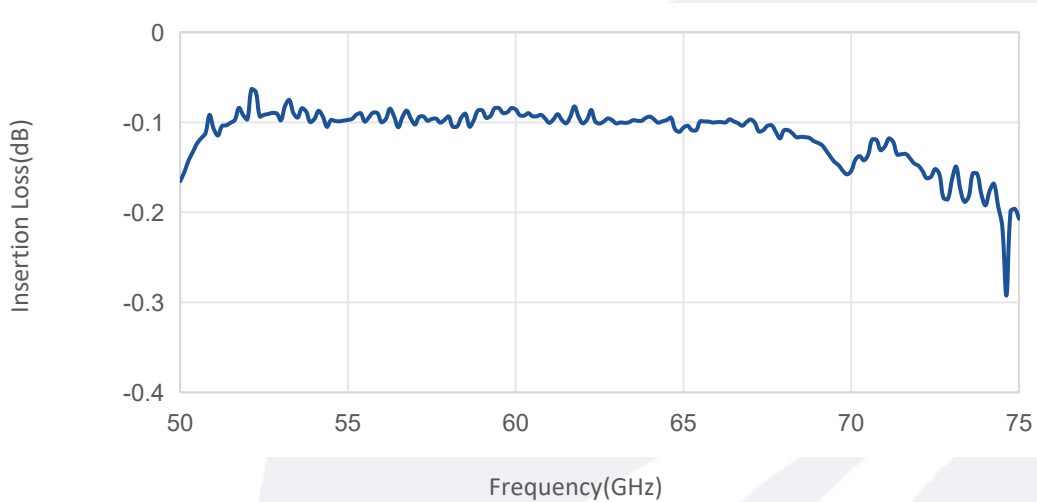
Base Number	Description	Revision
TLTB-050075-15-B	50.5-75GHz Compact Waveguide Twist WR-15, Twist Bend	Rev.1.1

Typical Performance Data:

Return Loss vs Frequency



Insertion Loss vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.