

D-Band Compact Waveguide Twist

WR-6.5/100-170GHz/Twist Bend/14mm

Model: TLTB-110170-6-B

TLTB-110170-6-B is a WR-6.5, 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 14 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 110 to 170 GHz.

Features:

- Frequency Coverage: 110 to 170 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss
- Compact Size

Applications:

- Test Instrumentation
- Sub-assemblies
- Lab Use

Electrical Characteristics:

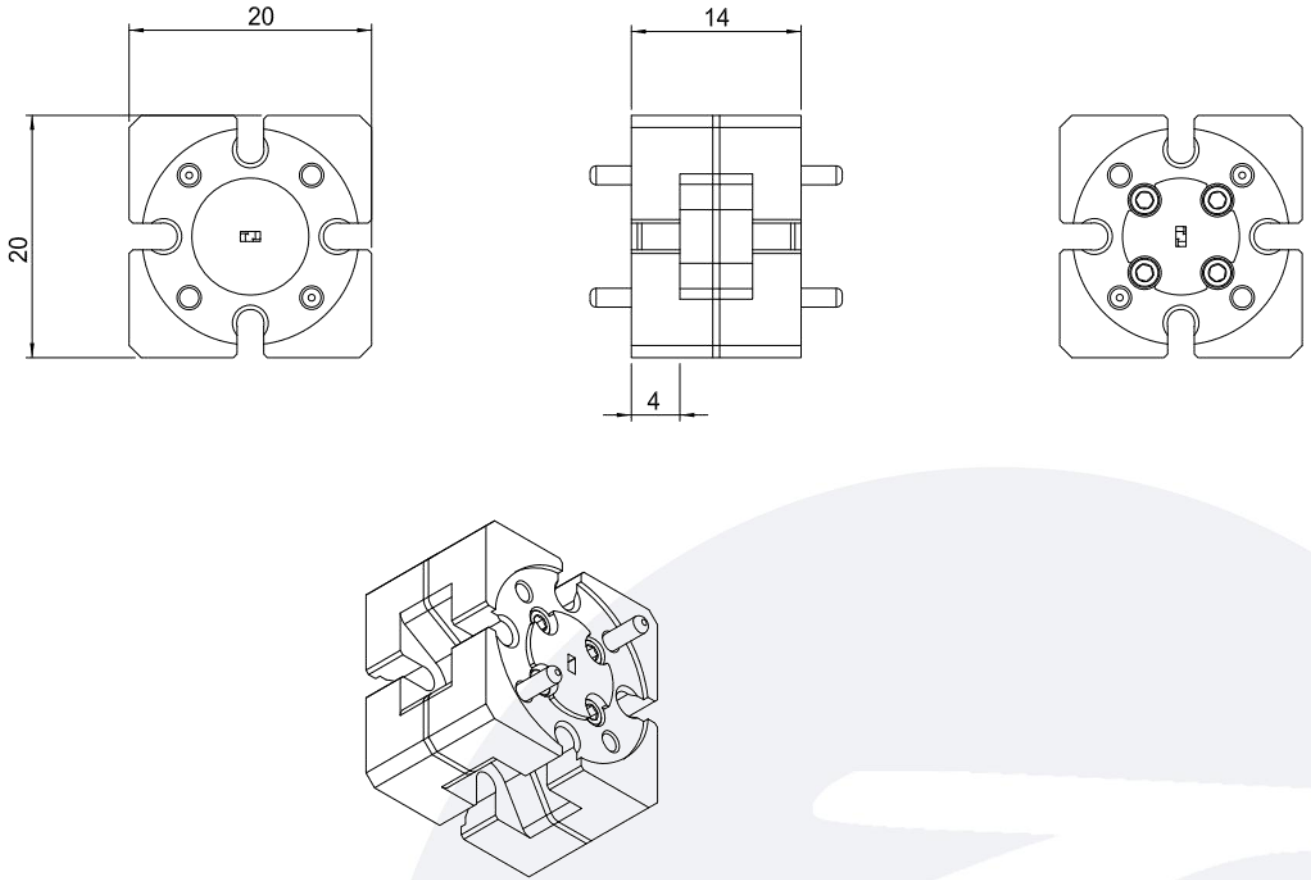
Parameter	Min	Typ	Max	Units
Frequency	110		170	GHz
Insertion Loss		0.3		dB
Return Loss		-20		dB
Specification Temperature		25		°C

Mechanical Specifications:

Parameter	Value	Units
Operating Temperature	-40~+85	°C
Waveguide Size	WR-6.5/UG-387/U	
Twist Angle	90	°
Material	Brass	
Size	20*20*14	mm

Outline Drawing:

Unit:mm

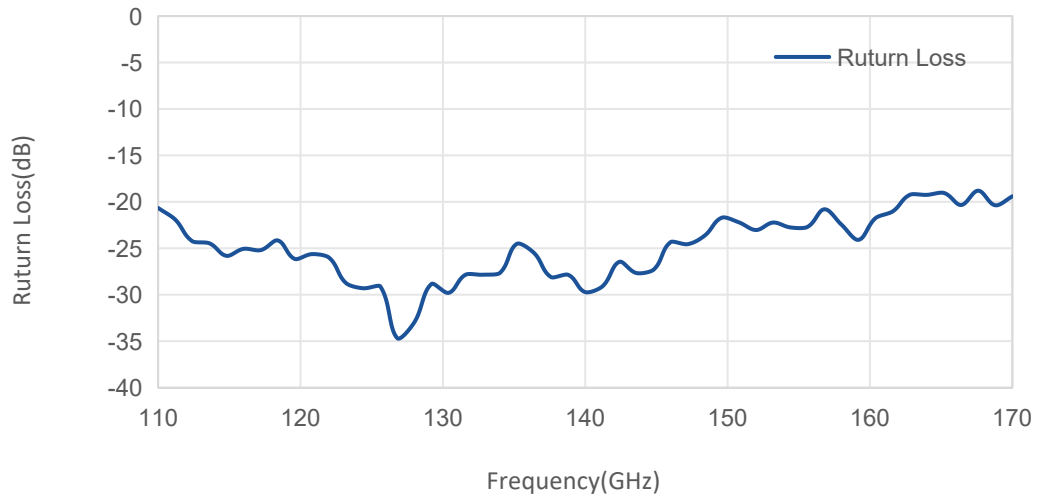


Ordering Information:

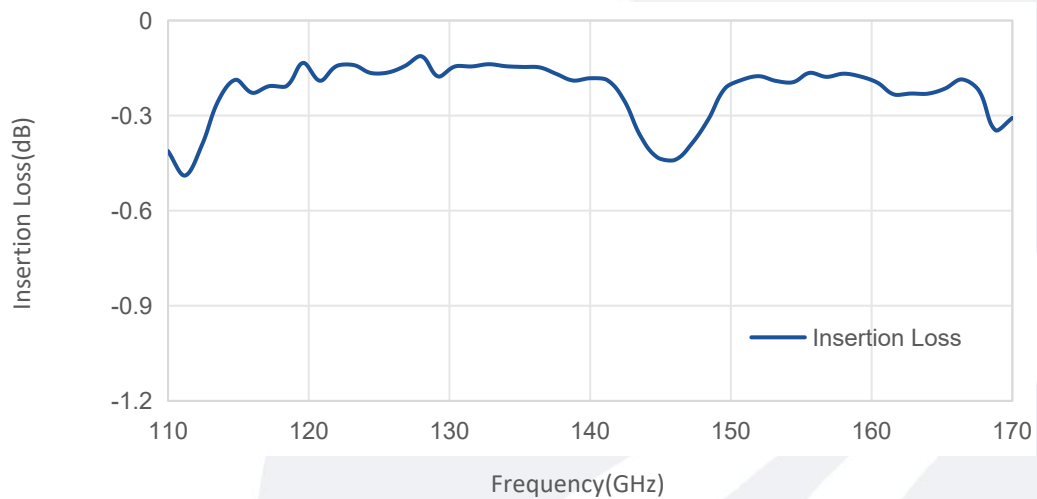
Base Number	Description	Revision
TLTB-110170-6-B	110-170GHz Compact Waveguide Twist WR-6.5, Twist Bend	Rev.1.1

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.