

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

电气特性 Electrical Characteristics:

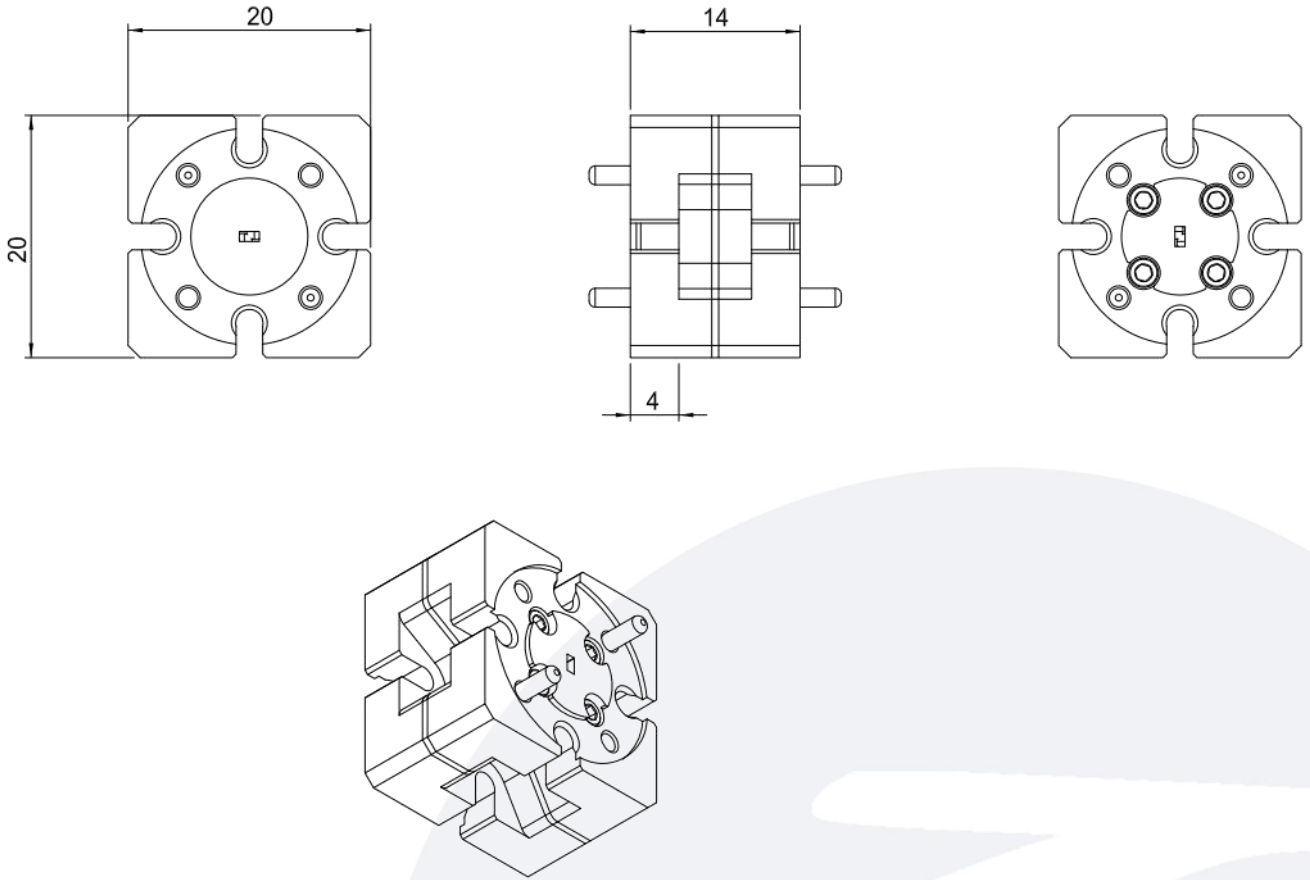
参数 Parameter	Min	Typ	Max	单位 Units
频率 Frequency	110		170	GHz
插入损耗 Insertion Loss		0.3		dB
回波损耗 Return Loss		-20		dB
标准温度 Specification Temperature		25		°C

机械特性 Mechanical Specifications:

参数 Parameter	指标 Value	单位 Units
工作温度 Operating Temperature	-40~+85	°C
波导规格 Waveguide Size	WR-6.5/UG-387/U	
扭转角 Twist Angle	90	°
材料 Material	Brass	
尺寸 Size	20*20*14	mm

外形图 Outline Drawing:

Unit:mm

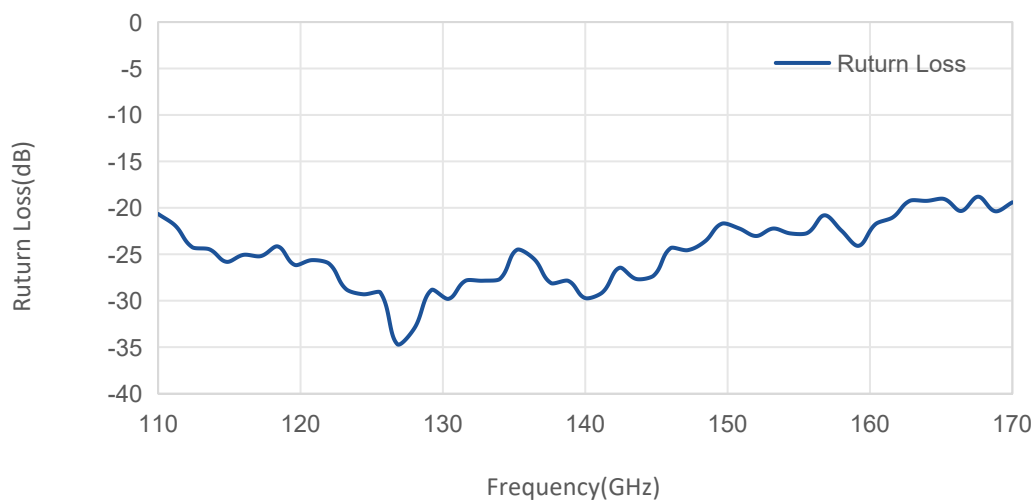


订货信息 Ordering Information:

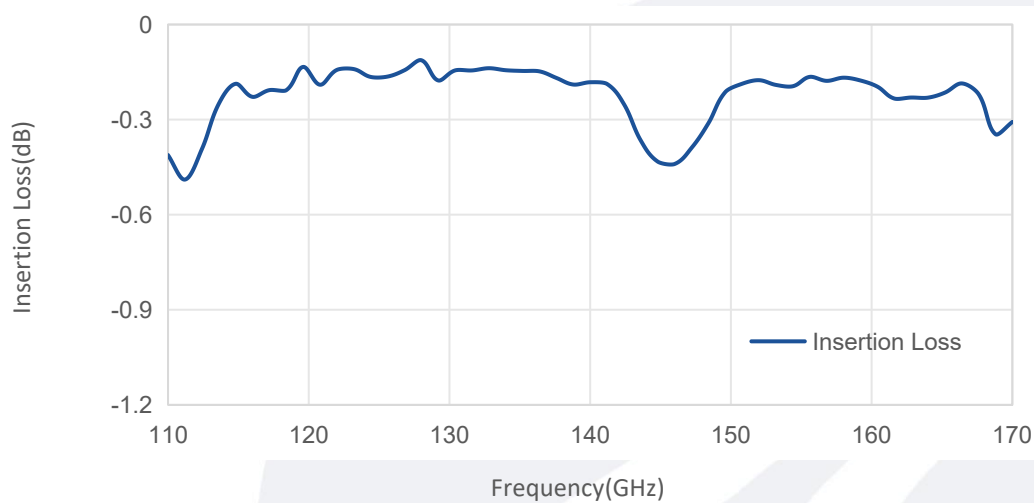
标准型号 Base Number	描述 Description	版本号 Revision
TLTB-110170-6-B	110-170GHz Compact Waveguide Twist WR-6.5, Twist Bend	Rev.1.1

典型曲线 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.