泰莱微波 Talent Microwave
Suzhou Talent Microwave,Inc
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Waveguide Bandpass Filter

WR-10/75-85GHz

Model: TLBF-075085-45-10

TLBF-075085-45-10 is a waveguide bandpass filter with a passband frequency from 75 to 85 GHz and a rejection frequency from DC to 71 GHz and 90 to 100 GHz. The maximum insertion loss of the filter is 1 dB and the minimum rejection is 45 dBc. The input and output port configuration offers an inline structure with WR-10 waveguides and UG-387/U-M anti-cocking flanges.

Features:

- Passband Frequency Range 75 to 85 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

电气特性 Electrical Characteristics:

参数 Parameter		Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range		75		85	GHz
通带带宽 Passband Width			10		GHz
驻波 VSWR			1.3		:1
通带插损 Passband Insertion Loss				1	dB
带外抑制 Rejection	@DC-71GHz	45			dBc
	@90-100GHz	45			

环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	指标 Value	单位 Units
操作温度 Operating Temerature	-20 to +55	℃
存储温度 Storage Temerature	-20 to +55	℃
材质 Material	Aluminum	
表面处理 Finish	Conductive Coating, Natural Finish	
波导 Waveguide	WR-10/UG-387/U-M	

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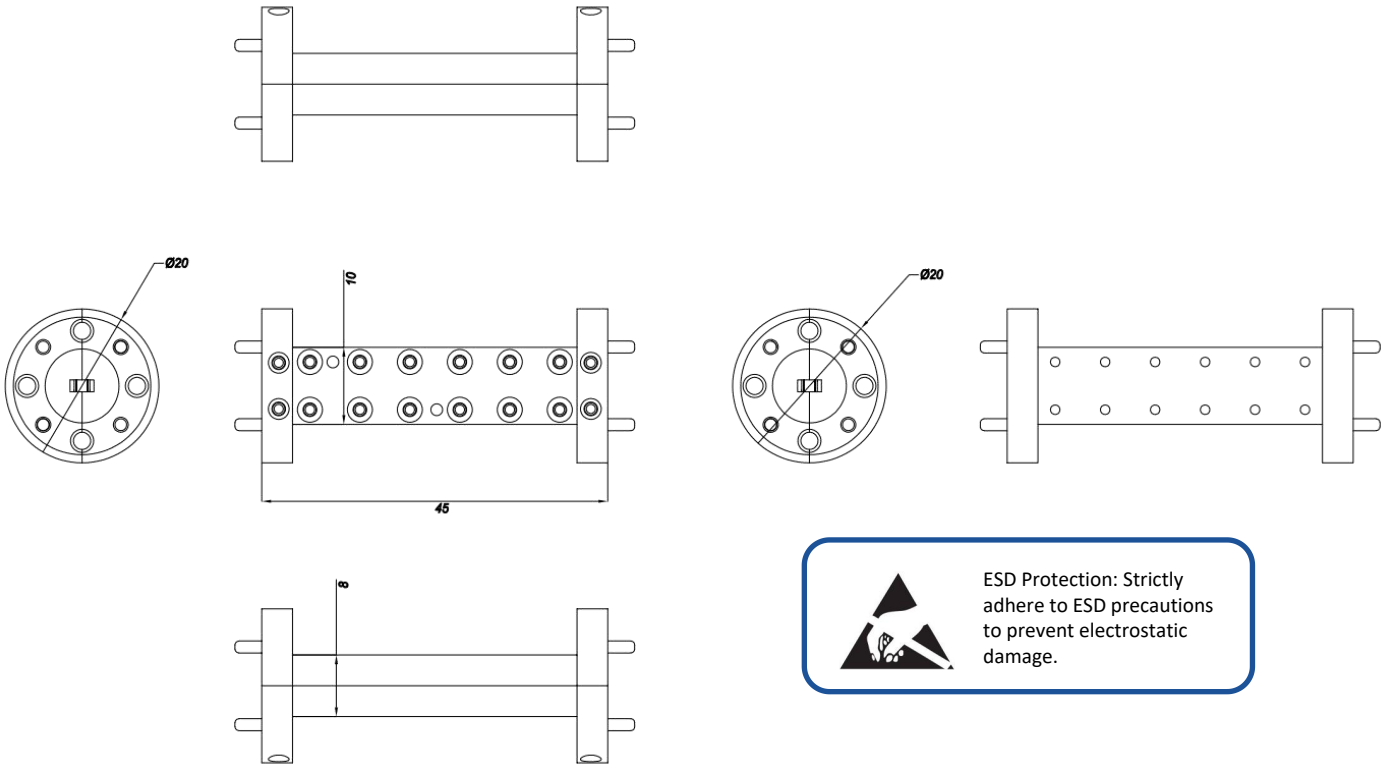
外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-075085-45-10	Waveguide Bandpass Filter,75-85GHz,Insertion Loss: 1dB, Rejection:45dBc@DC-71GHz&90-100GHz,WR-10/UG-387/U-M	Rev.1.0

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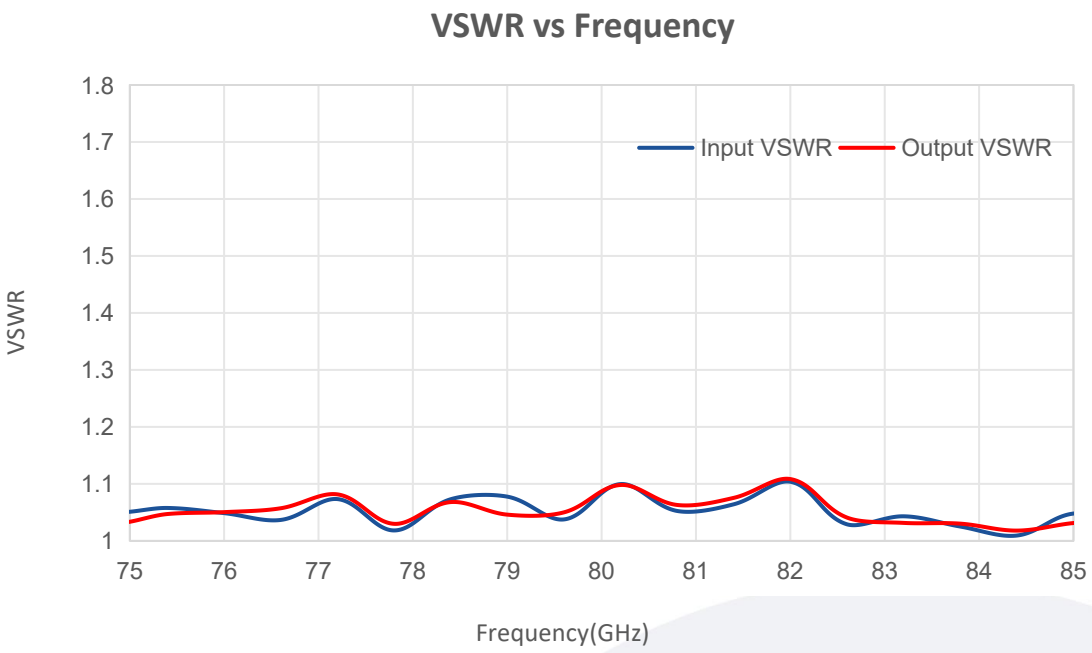
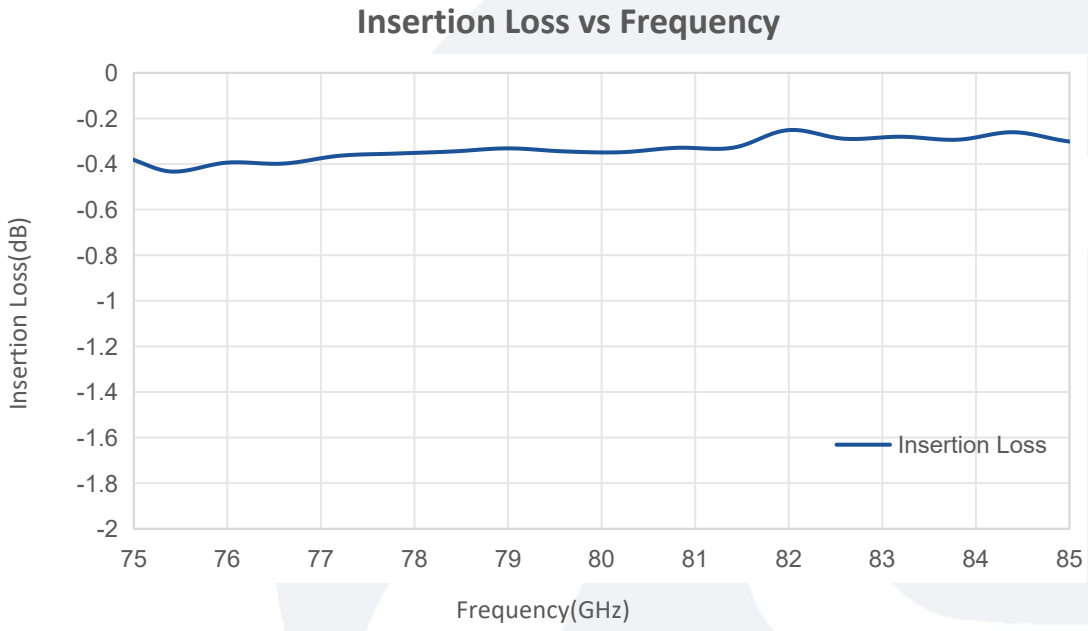
典型曲线 Typical Performance Data:





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.

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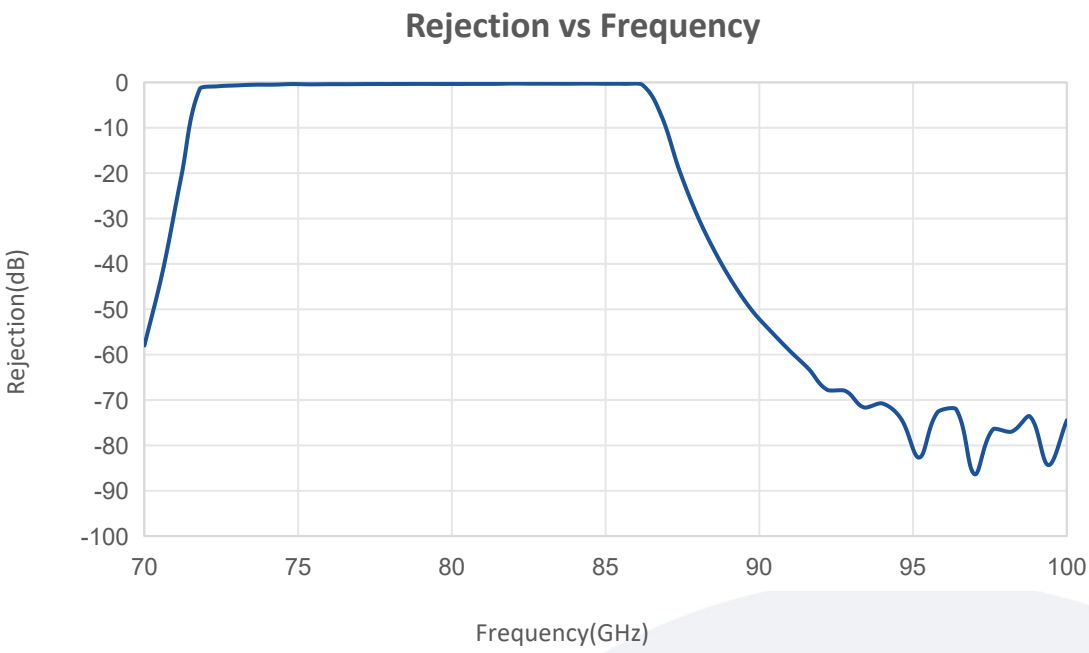

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