泰莱微波 Talent Microwave

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Waveguide Bandpass Filter

WR-10/85-95GHz

Model: TLBF-085095-45-10

TLBF-085095-45-10 is a waveguide bandpass filter with a passband frequency from 85 to 95 GHz and a rejection frequency from 75 to 80 GHz and 100 to 110 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 85 to 95 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		85		95	GHz
通带带宽 Passband Width			10		GHz
输入/输出驻波 Input/Output VSWR			1.3		:1
通带插损 Passband Insertion Loss				1	dB
带外抑制 Rejection	@75-80 GHz	45			dBc
	@100-110 GHz	45			

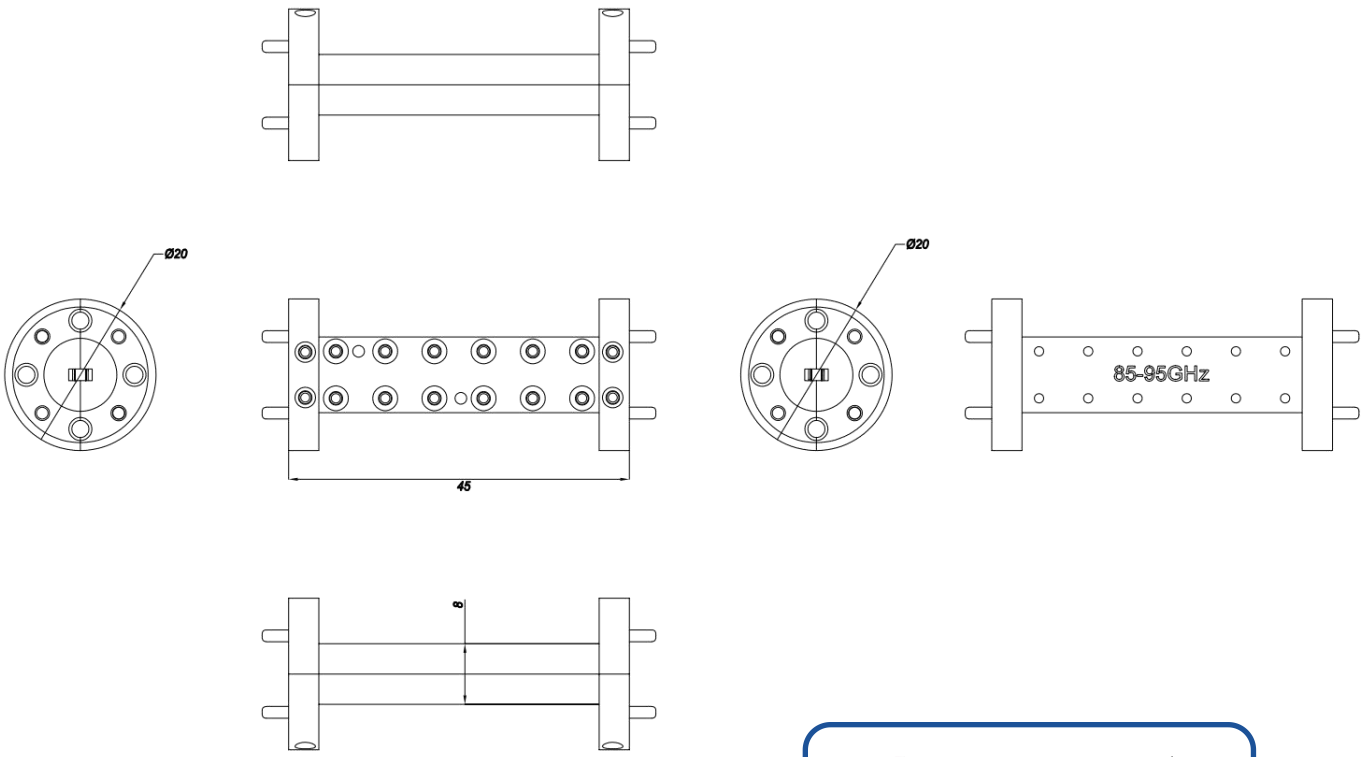
环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	类型 Description	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



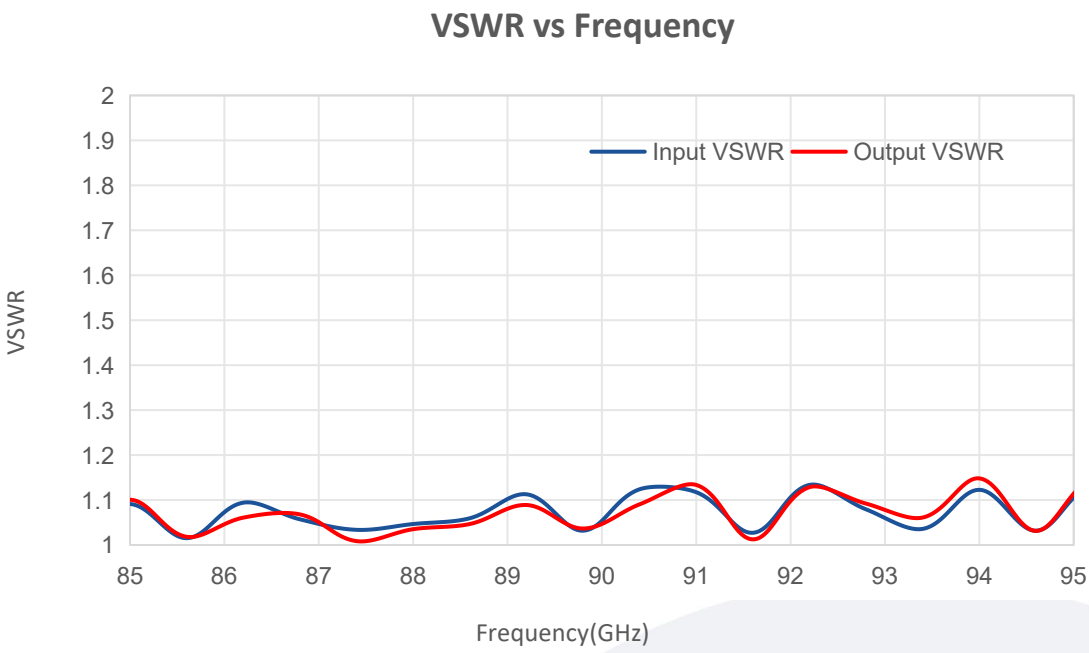
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

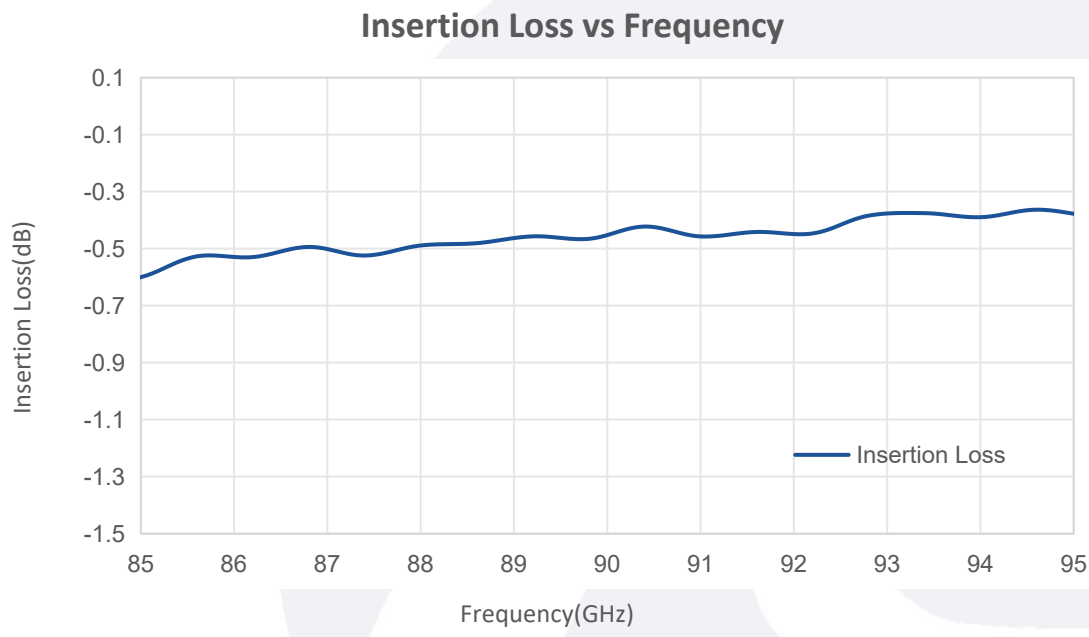
订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-085095-45-10	Waveguide Bandpass Filter,85-95GHz, Insertion Loss: 1dB, Rejection:45 dBc@75-80 GHz&100-110 GHz,WR-10/UG-387/U-M	Rev.1.0

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典型曲线 Typical Performance Data:

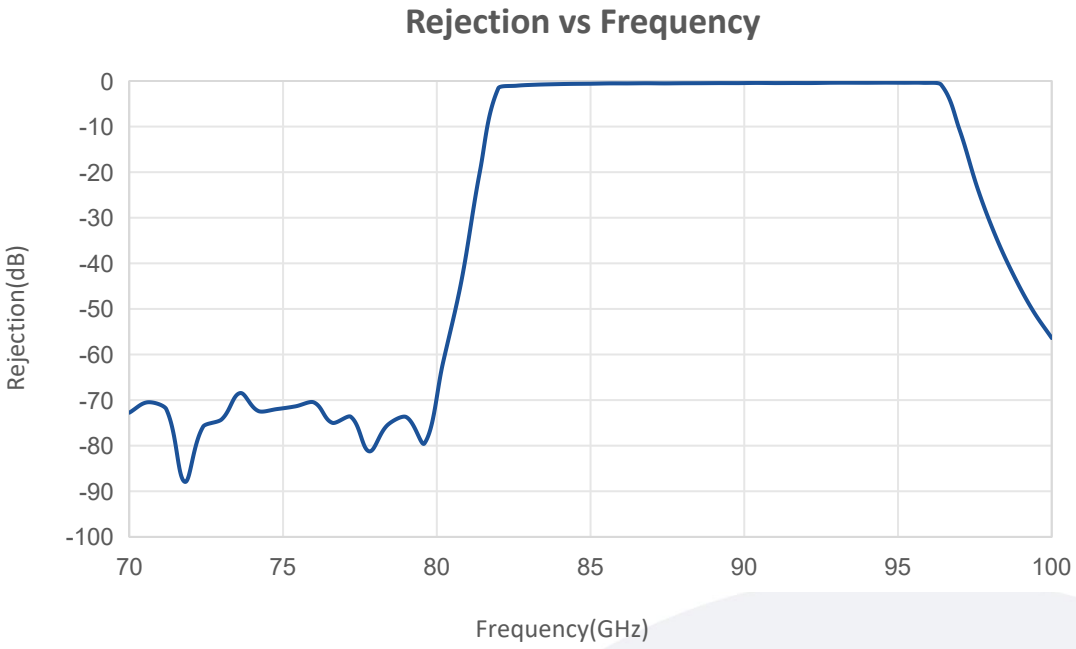




Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.

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