泰莱微波 Talent Microwave
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Waveguide Bandpass Filter

WR-5.1/168-176GHz

Model: TLBF-168176-50-05

TLBF-168176-50-05 is a waveguide bandpass filter with a passband frequency from 168 to 176 GHz and a rejection frequency from 140 to 164 GHz and 182 to 220 GHz. The typical insertion loss of the filter is 1.8 dB and the minimum rejection is 50 dBc. The input and output port configuration offers an inline structure with WR-5.1 waveguides and UG-387/U-M anti-cocking flanges.

Features:

- Passband Frequency Range 168 to 176 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		168		176	GHz
通带带宽 Passband Width			8		GHz
驻波 VSWR			1.3		:1
通带插损 Passband Insertion Loss			1.8	3	dB
带外抑制 Rejection	@140-164GHz	50			dBc
	@182-220GHz	50			

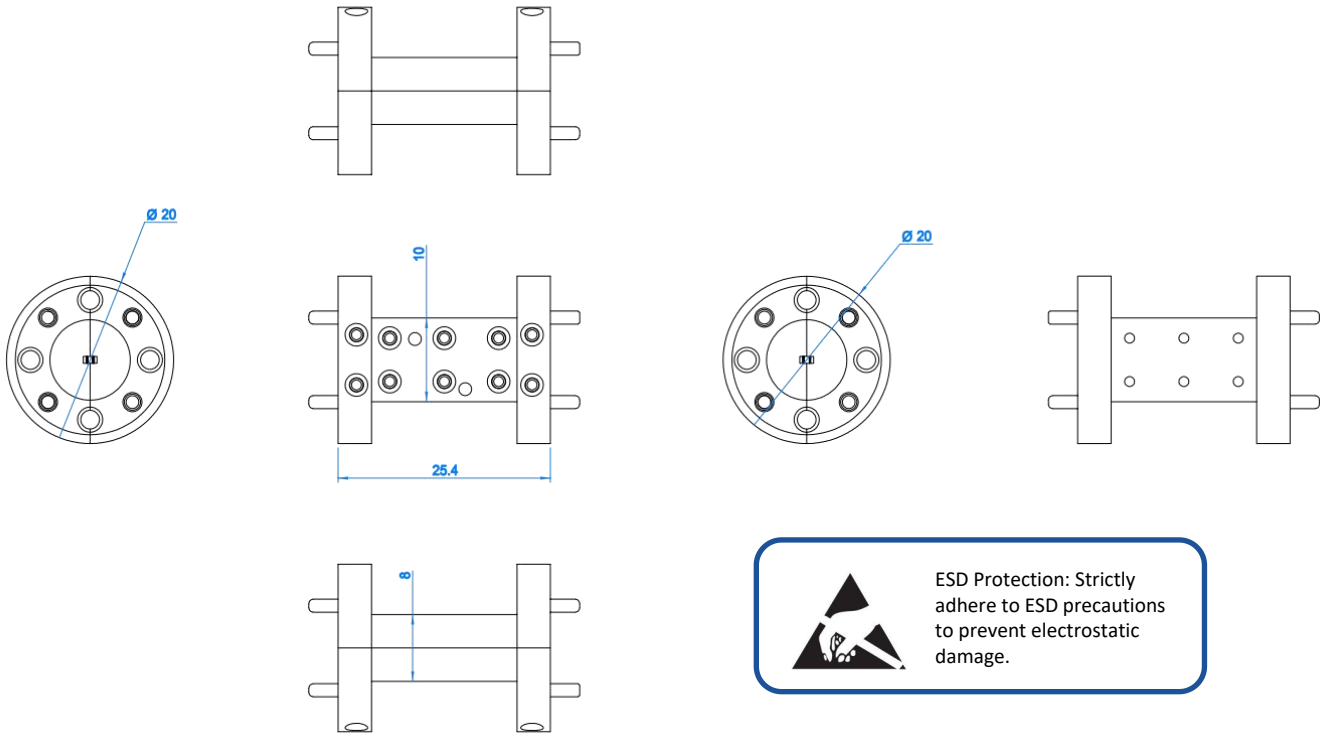
环境和机械特性 Envrionmental And Physical Characteristics:

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-5.1/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-168176-50-05	Waveguide Bandpass Filter, 168-176GHz,Insertion Loss:1.8dB, Rejection:50dBc@140-164GHz&182-220GHz, WR-5.1	Rev.1.0