Suzhou Talent Microwave,Inc
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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

Electrical Characteristics:

Parameter		Min	Typ	Max	Units
Passband Frequency range		168		176	GHz
Passband Width			8		GHz
VSWR			1.3		:1
Passband Insertion Loss			1.8	3	dB
Rejection	@140-164GHz	50			dBc
	@182-220GHz	50			

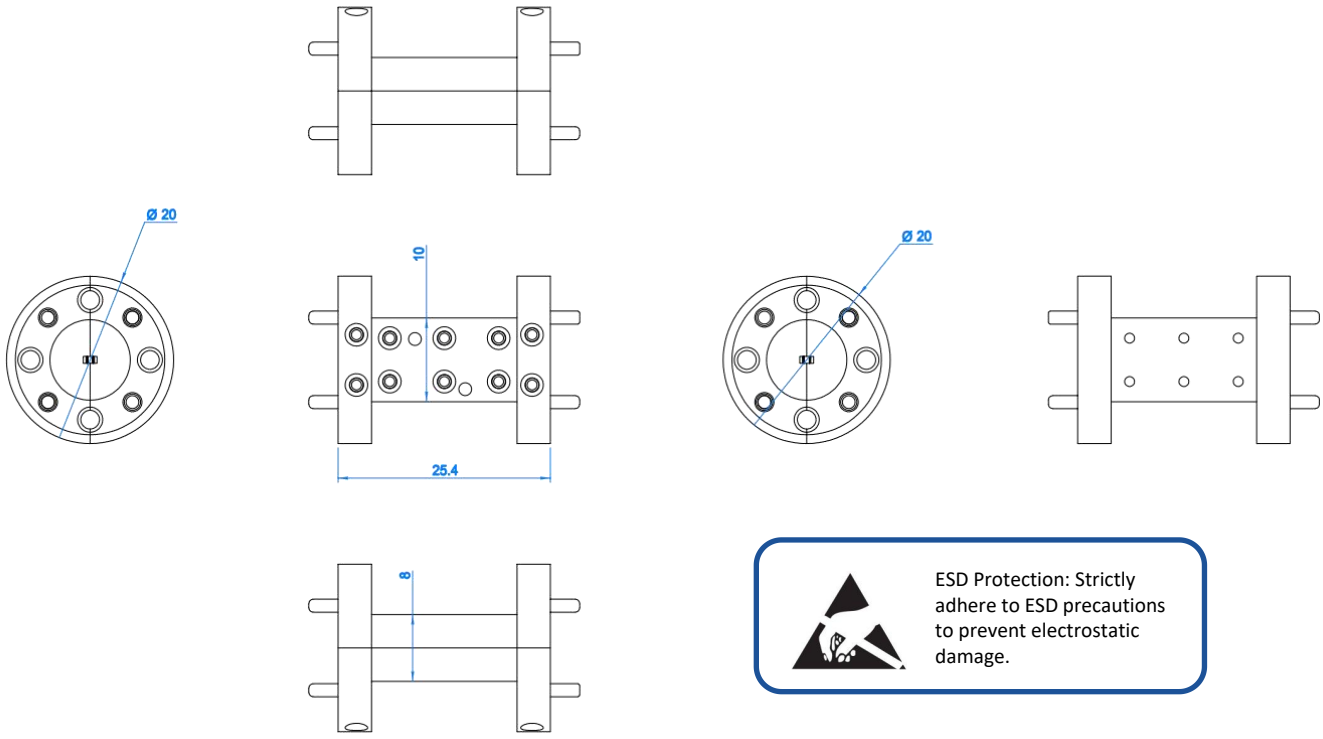
Envrionmental And Physical Characteristics:

Parameter	Value	Units
Operating Temerature	-20 to +55	℃
Storage Temerature	-20 to +55	℃
Material	Aluminum	
Finish	Conductive Coating, Natural Finish	
Waveguide	WR-5.1/UG-387/U-M	

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

Ordering Information:

Base Number	Description	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