Suzhou Talent Microwave,Inc
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Waveguide Bandpass Filter

WR-6.5/143-156GHz

Model: TLBF-143156-50-6.5

TLBF-143156-50-6.5 is a waveguide bandpass filter with a passband frequency from 143 to 156 GHz and a rejection frequency from 110 to 139 GHz and 160 to 170 GHz. The typical insertion loss of the filter is 1.5 dB and the minimum rejection is 50 dBc. The input and output port configuration offers an inline structure with WR-6.5 waveguides and UG-387/U-M anti-cocking flanges.

Features:

- Passband Frequency Range 143 to 156 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		143		156	GHz
Passband Width			13		GHz
VSWR			1.3		:1
Passband Insertion Loss			1.5	2.5	dB
Rejection	@110-139GHz	50			dBc
	@160-170GHz	50			

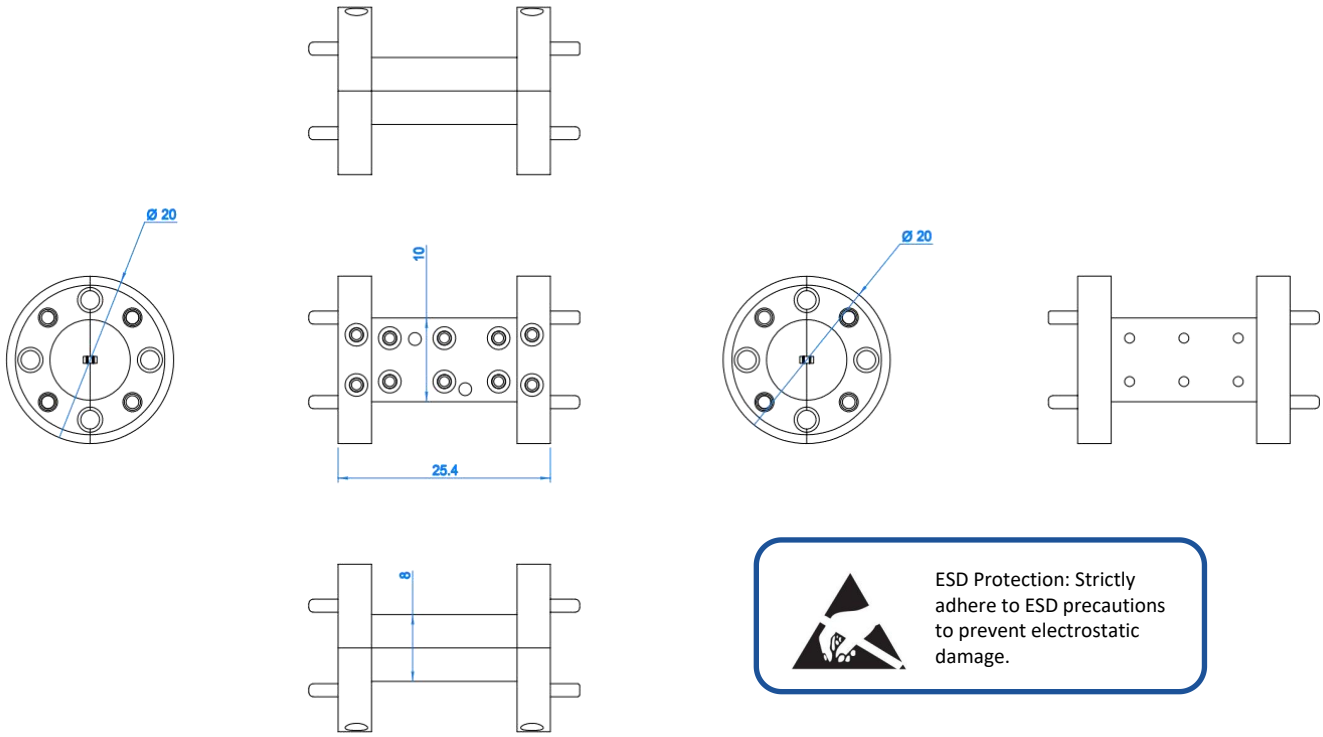
Envrionmental And Physical Characteristics:

Parameter	Value	Units
Operating Temerature	-20 to +55	℃
Storage Temerature	-20 to +55	℃
Material	Aluminum	
Finish	Conductive Coating, Natural Finish	
Waveguide	WR-6.5/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-143156-50-6.5	Waveguide Bandpass Filter, 143-156GHz,Insertion Loss:1.5dB, Rejection:50dBc@110-139GHz&160-170GHz, WR-6.5	Rev.1.0