Suzhou Talent Microwave,Inc
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Waveguide Bandpass Filter

WR-6.5/139-155GHz

Model: TLBF-139155-40-6.5

TLBF-139155-40-6.5 is a waveguide bandpass filter with a passband frequency from 139 to 155 GHz and a rejection frequency from DC to 134 GHz and 140 to 170 GHz. The typical insertion loss of the filter is 1.5 dB and the minimum rejection is 40 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 139 to 155 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		139		155	GHz
Passband Width			16		GHz
VSWR			1.3		:1
Passband Insertion Loss			1.5	2.5	dB
Rejection	@DC-134GHz	40			dBc
	@140-170GHz	40			

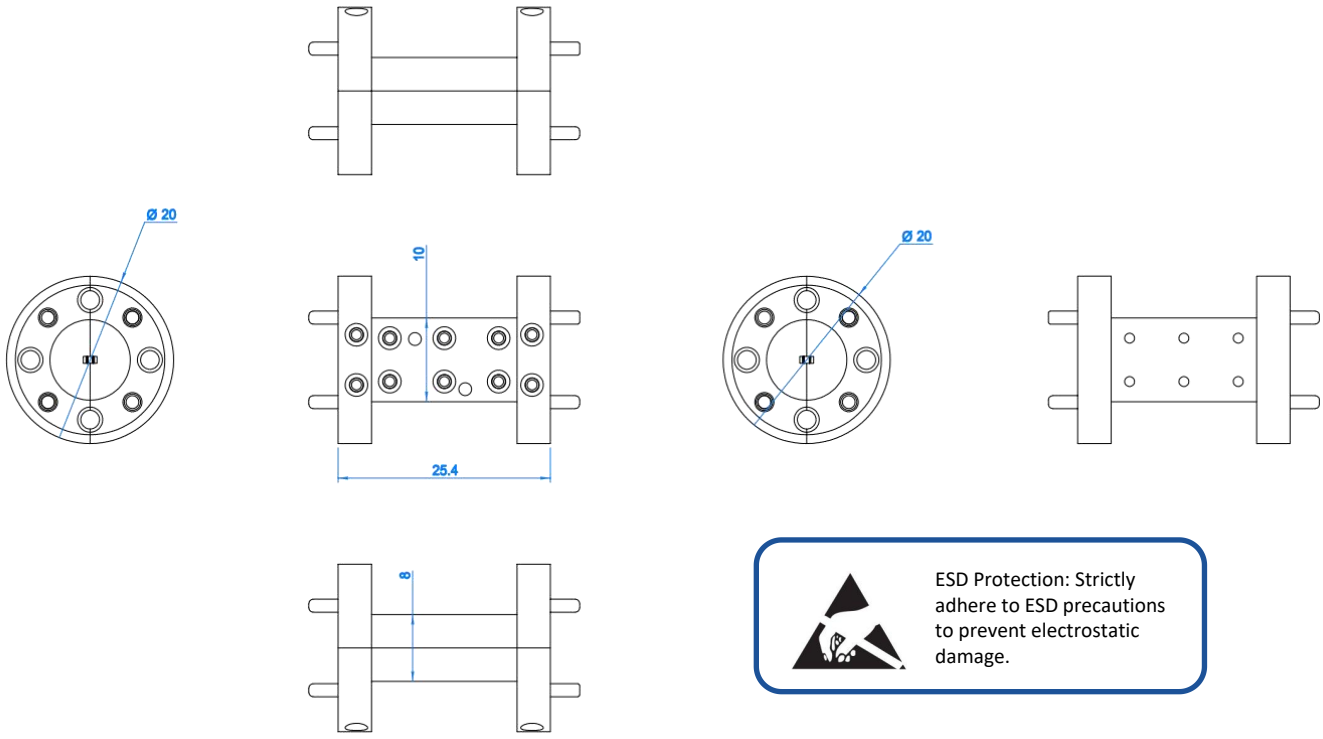
Envrionmental And Physical Characteristics:

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-139155-40-6.5	Waveguide Bandpass Filter, 139-155GHz,Insertion Loss:1.5dB, Rejection:40dBc@DC-134GHz&140-170GHz, WR-6.5	Rev.1.0