Suzhou Talent Microwave,Inc
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Waveguide Bandpass Filter

WR-6.5/137-147GHz

Model: TLBF-137147-50-6.5

TLBF-137147-50-6.5 is a waveguide bandpass filter with a passband frequency from 137 to 147 GHz and a rejection frequency from 110 to 130 GHz and 155 to 170 GHz. The maximum insertion loss of the filter is 2 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 137 to 147 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		137		147	GHz
Passband Width			10		GHz
VSWR			1.3		:1
Passband Insertion Loss				2	dB
Rejection	@110-130GHz	50			dBc
	@155-170GHz	50			

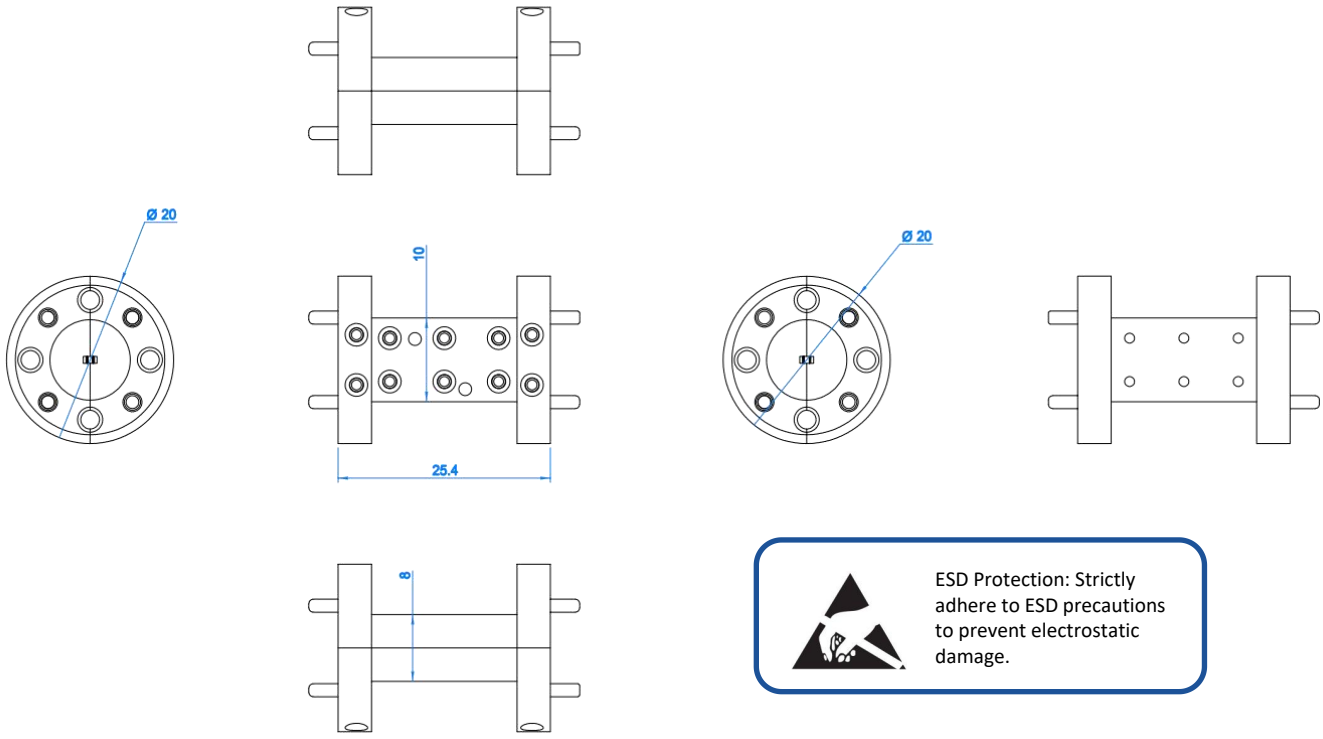
Envrionmental And Physical Characteristics:

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-137147-50-6.5	Waveguide Bandpass Filter, 137-147GHz,Insertion Loss:2dB, Rejection:50dBc@110-130GHz&155-170GHz, WR-6.5	Rev.1.0