Suzhou Talent Microwave,Inc
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Waveguide Bandpass Filter

WR-6.5/124-140GHz

Model: TLBF-124140-40-6.5

TLBF-124140-40-6.5 is a waveguide bandpass filter with a passband frequency from 124 to 140 GHz and a rejection frequency from DC to 120 GHz and 144 to 170 GHz. The maximum insertion loss of the filter is 2 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 124 to 140 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		124		140	GHz
Passband Width			16		GHz
Input/Output VSWR			1.3		:1
Passband Insertion Loss				2	dB
Rejection	@DC-120 GHz	40			dBc
	@144-170 GHz	40			

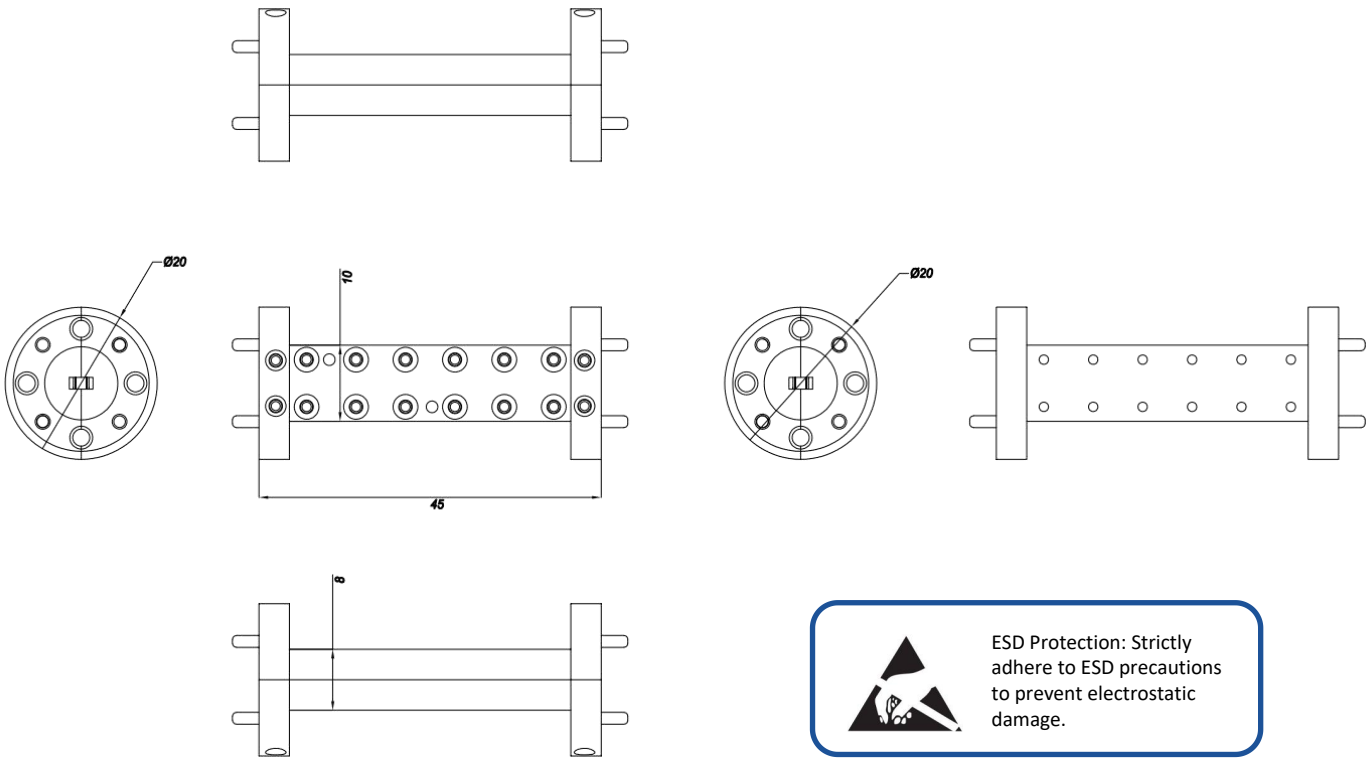
Envrionmental And Physical Characteristics:

Parameter	Description	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-124140-40-6.5	Waveguide Bandpass Filter,124-140GHz, Insertion Loss: 2dB, Rejection: 40dBc@DC-120GHz&144-170GHz,WR-6.5/UG-387/U-M	Rev.1.0