Suzhou Talent Microwave,Inc
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Waveguide Bandpass Filter

WR-12/76-81GHz

Model: TLBF-076081-50-12

TLBF-076081-50-12 is a waveguide bandpass filter with a passband frequency from 76 to 81 GHz and a rejection frequency from DC to 73 GHz and 84 to 94 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-12 waveguides and UG-387/U-M anti-cocking flanges.

Features:

- Passband Frequency Range 76 to 81 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		73		83	GHz
Passband Width			5		GHz
Input/Output VSWR			1.25		:1
Passband Insertion Loss				2	dB
Rejection	@DC-73 GHz	50			dBc
	@84-94 GHz	50			

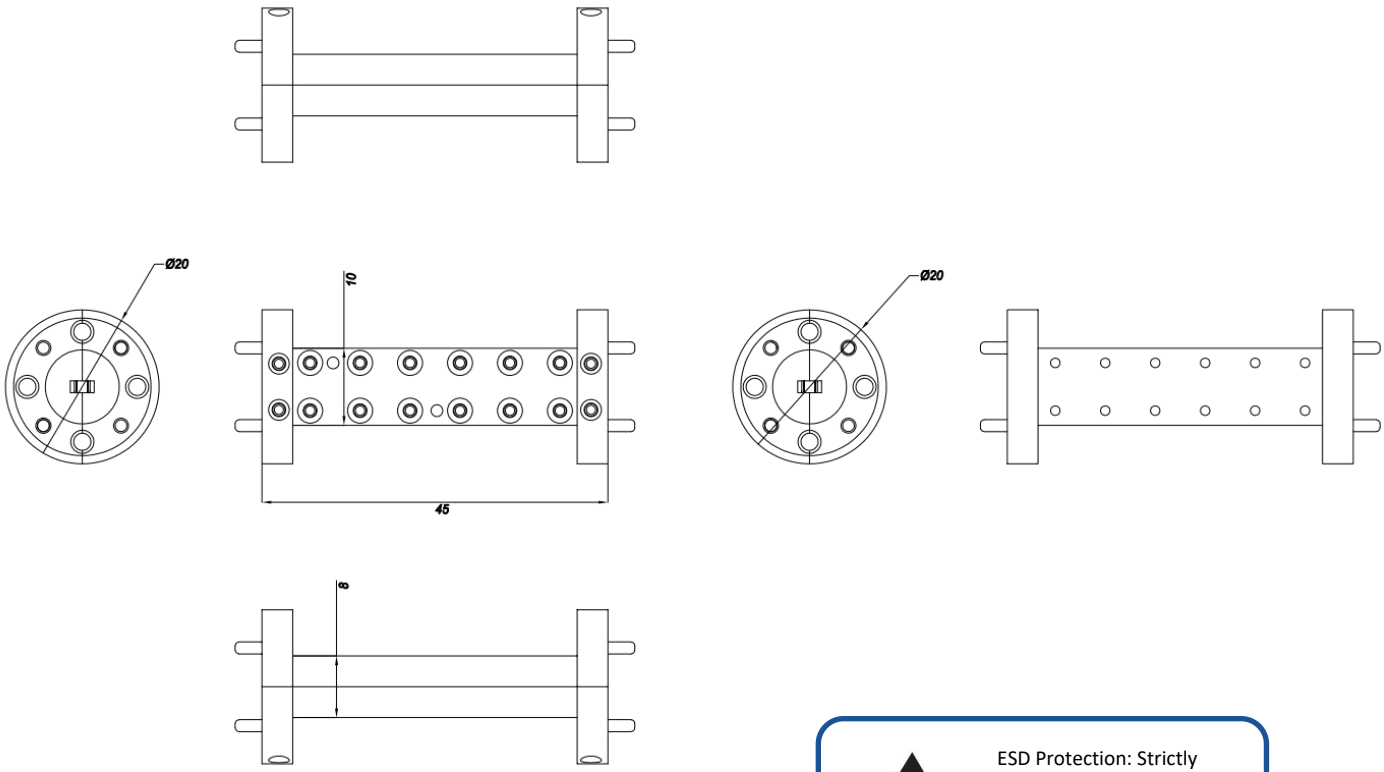
Envrionmental And Physical Characteristics:

Parameter	Description	Units
Operating Temerature	-20 to +55	℃
Storage Temerature	-20 to +55	℃
Material	Aluminum	
Finish	Conductive Coating, Natural Finish	
Waveguide	WR-12/UG-387/U-M	

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Outline Drawing:

Unit:mm; Tolerance:±0.1mm



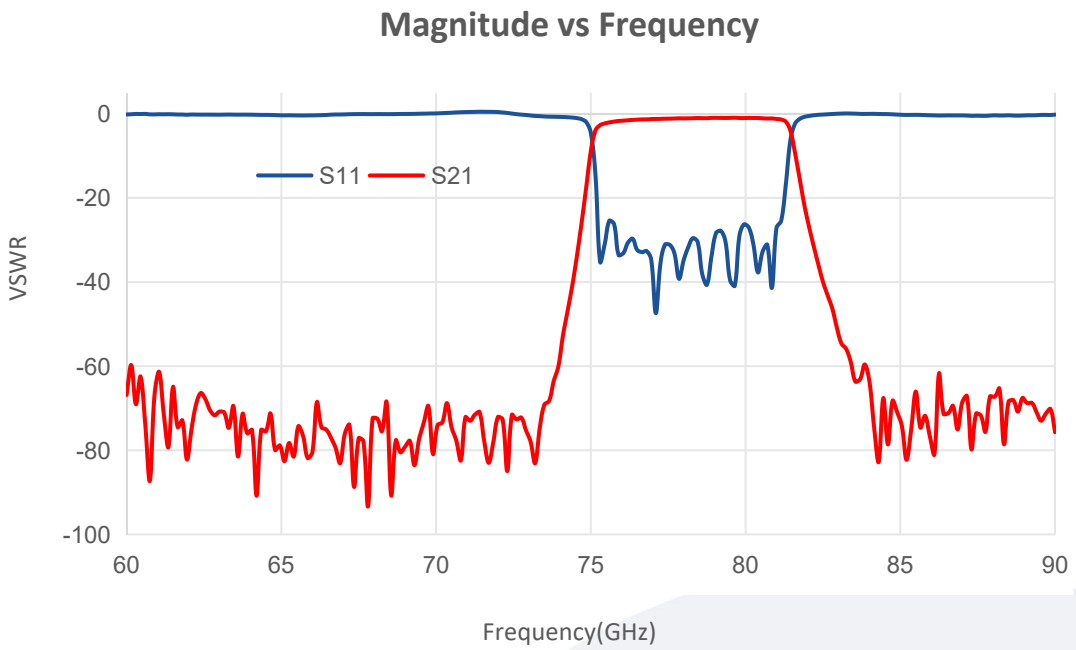
ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-076081-50-12	Waveguide Bandpass Filter,76-81GHz, Insertion Loss: 2dB, Rejection: 50dBc@DC-73GHz&84-94GHz,WR-12/UG-387/U-M	Rev.1.0

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Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.