Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Waveguide Bandpass Filter

WR-12/80-88GHz

Model: TLBF-080088-45-12

TLBF-080088-45-12 is a waveguide bandpass filter with a passband frequency from 80 to 88 GHz and a rejection frequency from DC to 76 GHz and 92 to 110 GHz. The maximum insertion loss of the filter is 2 dB and the minimum rejection is 45 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 80 to 88 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		80		88	GHz
Passband Width			8		GHz
Input/Output VSWR			1.25		:1
Passband Insertion Loss				2	dB
Rejection	@DC-76 GHz	45			dBc
	@92-110 GHz	45			

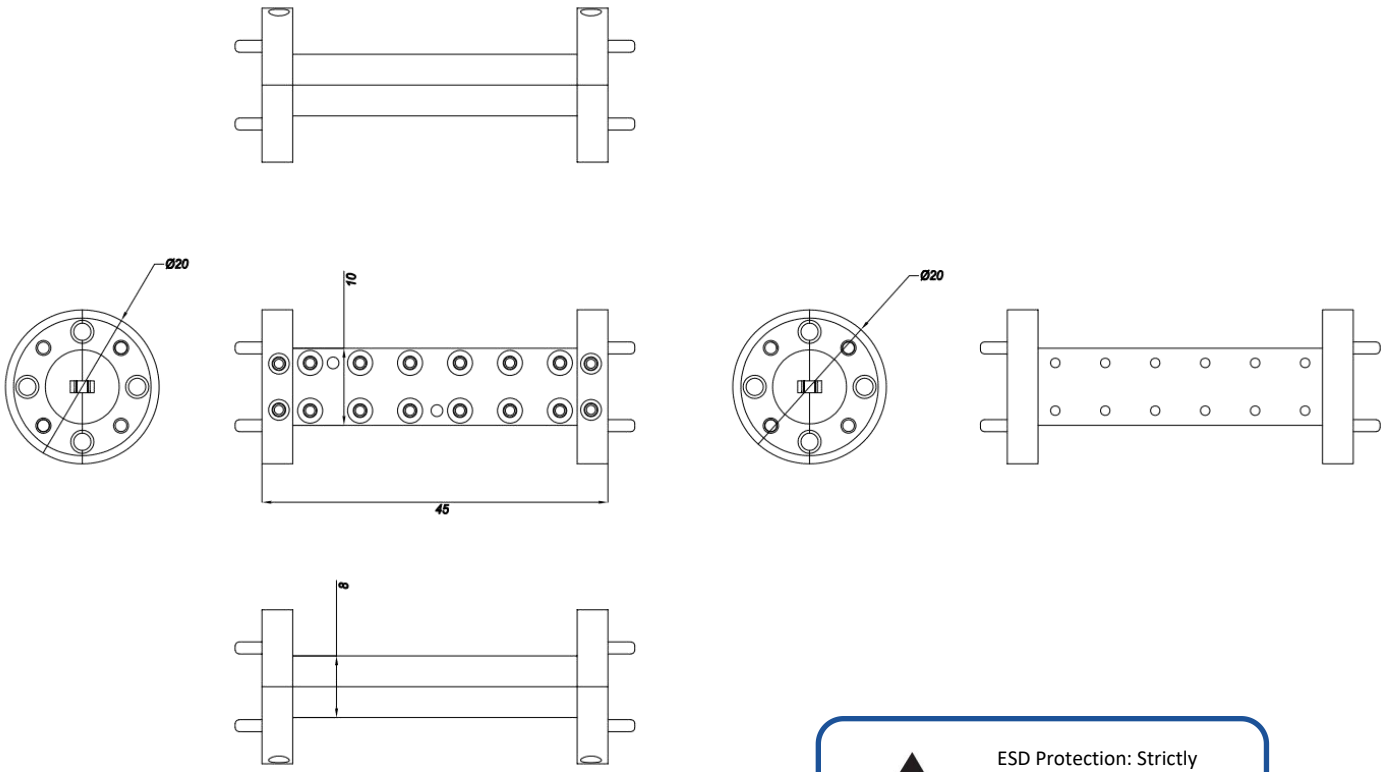
Envrionmental And Physical Characteristics:

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	

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

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-080088-45-12	Waveguide Bandpass Filter,80-88GHz, Insertion Loss: 2dB, Rejection: 45dBc@DC-76GHz&92-110GHz,WR-12/UG-387/U-M	Rev.1.0