

Waveguide Bandpass Filter

WR-12/73-83GHz

Model: TLBF-073083-40-12

TLBF-073083-40-12 is a waveguide bandpass filter with a passband frequency from 73 to 83 GHz and a rejection frequency from DC to 69 GHz and 87 to 90 GHz. The nominal insertion loss of the filter is 2 dB and the typical rejection is 40 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 73 to 83 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

Electrical Characteristics:

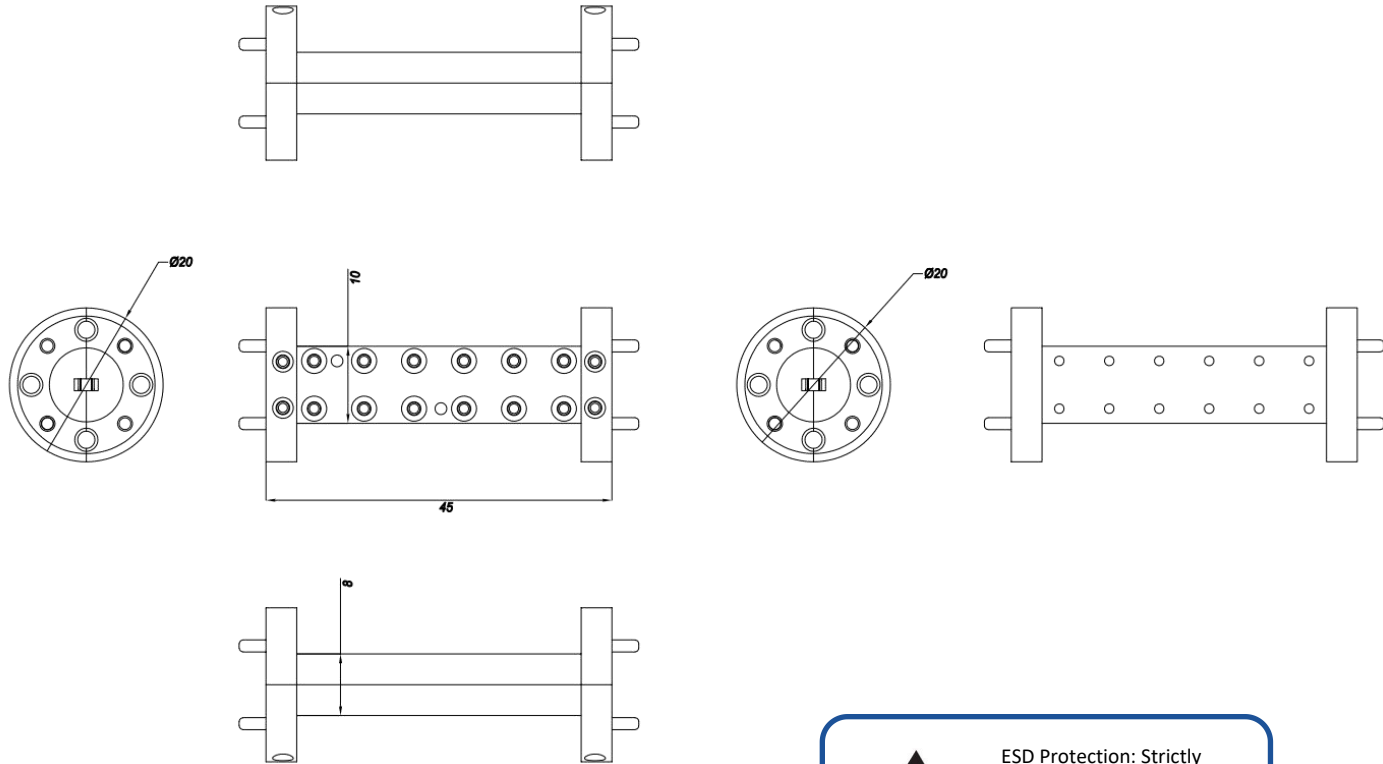
Parameter		Min	Typ	Max	Units
Passband Frequency range		73		83	GHz
Passband Width			10		GHz
Input/Output VSWR			1.25		:1
Passband Insertion Loss				2	dB
Rejection	@DC-69 GHz	40			dBc
	@87-90 GHz	40			

Envrionmental And Physical Characteristics:

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

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-073083-40-12	Waveguide Bandpass Filter,66-71GHz, Insertion Loss: 2dB, Rejection: 40dBc@DC-69GHz&87-90GHz,WR-12/UG-387/U-M	Rev.1.0