

Waveguide Bandpass Filter

WR-12/75-85GHz

Model: TLBF-075085-45

TLBF-075085-45 is a waveguide bandpass filter with a passband frequency from 75 to 85 GHz and a rejection frequency from 60 to 70 GHz and 90 to 110 GHz. The nominal insertion loss of the filter is 2 dB and the typical 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 75 to 85 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

Electrical Characteristics:

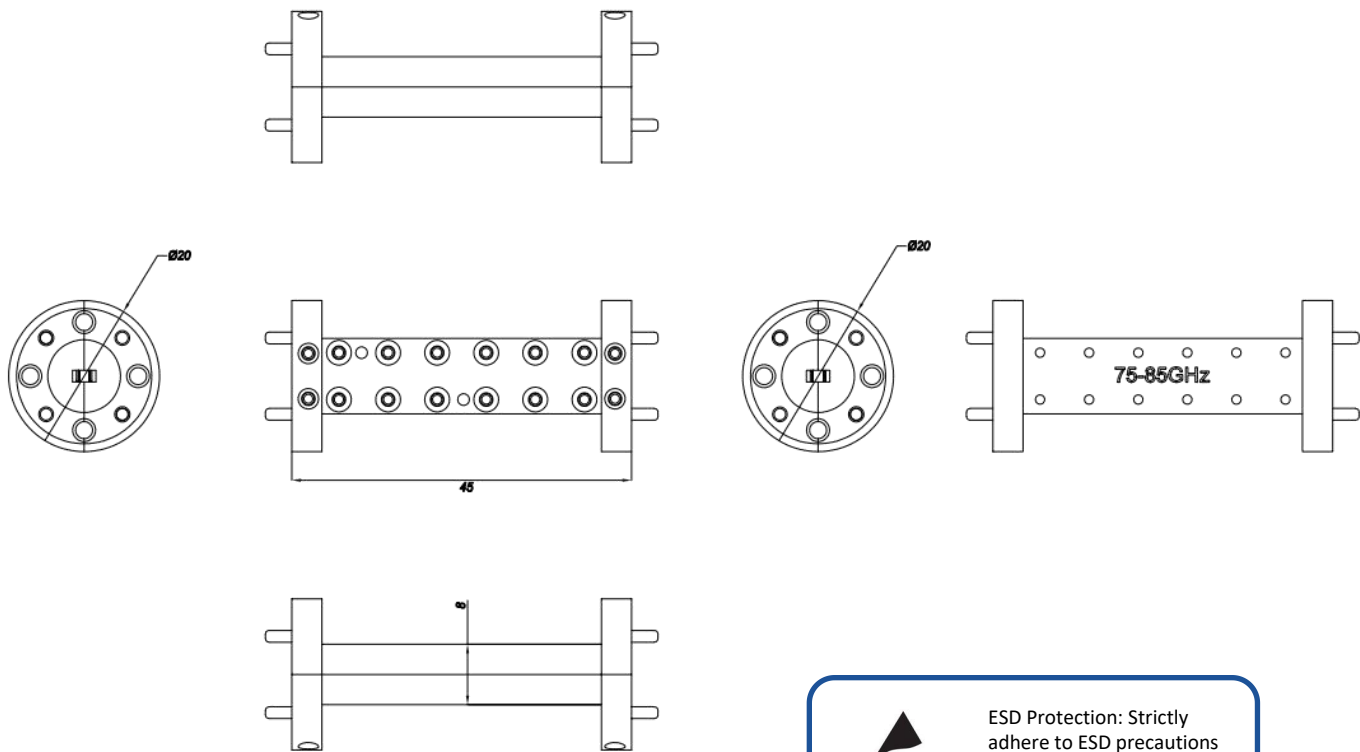
Parameter		Min	Typ	Max	Units
Passband Frequency range		75		85	GHz
Passband Width			10		GHz
Input/Output VSWR			1.3		:1
Passband Insertion Loss				2	dB
Rejection	@ 75-80 GHz	45			dBc
	@ 100-110 GHz	45			

Envrionmental And Physical Characteristics:

Description	Parameter	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-075085-45	Waveguide Bandpass Filter, 75-85GHz, Insertion Loss: 2 dB, Rejection: 45 dBc@60-70GHz&90-110 GHz, WR-12/UG-387/U-M	Rev.1.0