

Waveguide Bandpass Filter

WR-4.3/221-228GHz

Model: TLBF-221G228G-40

TLBF-221G228G-40 is a waveguide bandpass filter with a passband frequency from 221 to 228 GHz and a rejection frequency from 170 to 217 GHz and 233-260GHz. The nominal insertion loss of the filter is 3.5 dB and the minimum rejection is 40 dB.

Features:

- Passband Frequency range 221 to 228 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		221		228	GHz
Passband Width			7		GHz
Ruturn Loss			-20		dB
Passband Insertion Loss				3.5	dB
Rejection	@170-217GHz	40			dB
	@233-260GHz	40			
Approximate 3dB Bandwidth		221		228	GHz

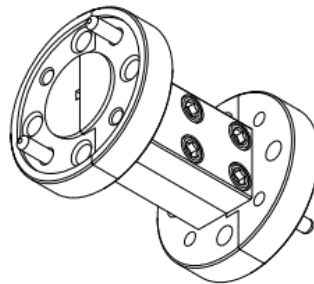
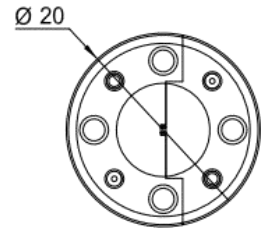
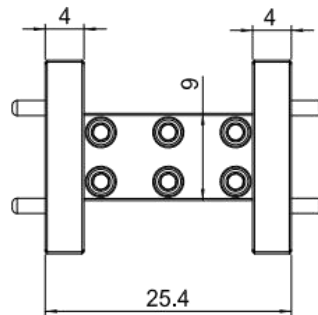
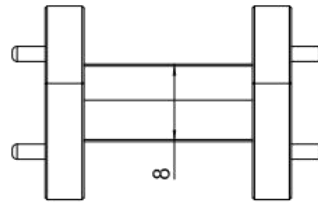
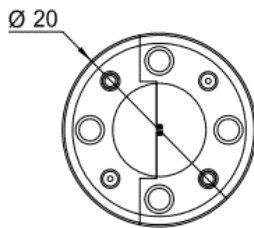
Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +85	°C
Storage Temperature	-40 to +85	°C
Material	Copper	
Finish	Gold Plated	
Waveguide	WR-4.3/UG-387/U-M	

Outline Drawing:

Unit:mm

Regulatory Compliance:

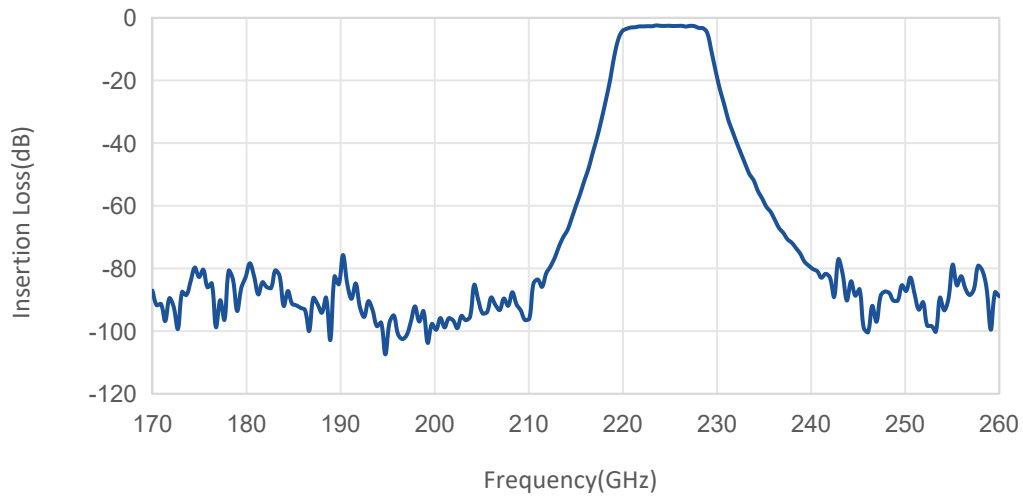


Ordering Information:

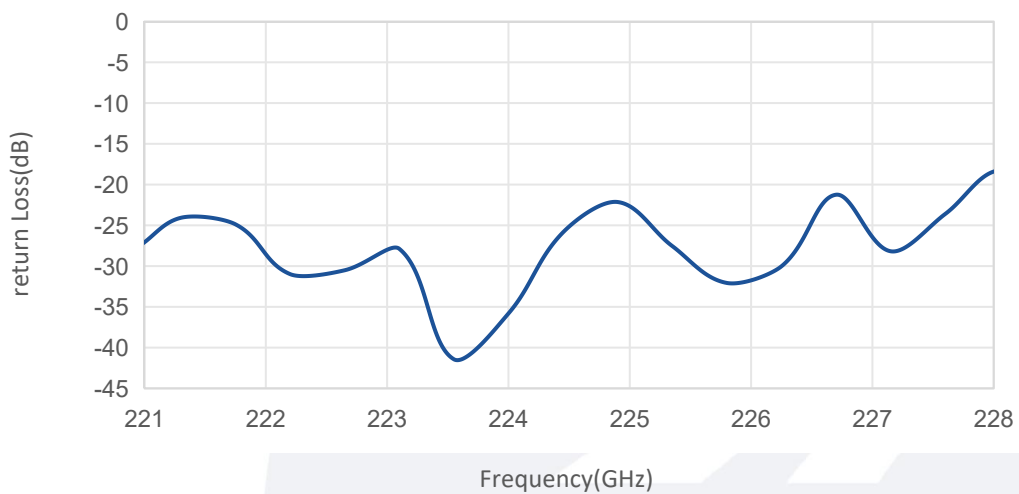
Base Number	Description	Revision
TLBF-221G228G-40	Waveguide Bandpass Filter,221-228GHz,Insertion Loss:3.5dB, Rejection:40dB@170-217GHz&233-260GHz,WR-4.3/UG-387/U-M	Rev.1.1

Typical Performance Data:

Insertion Loss vs Frequency



Return Loss vs Frequency



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.