

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

电气特性 Electrical Characteristics:

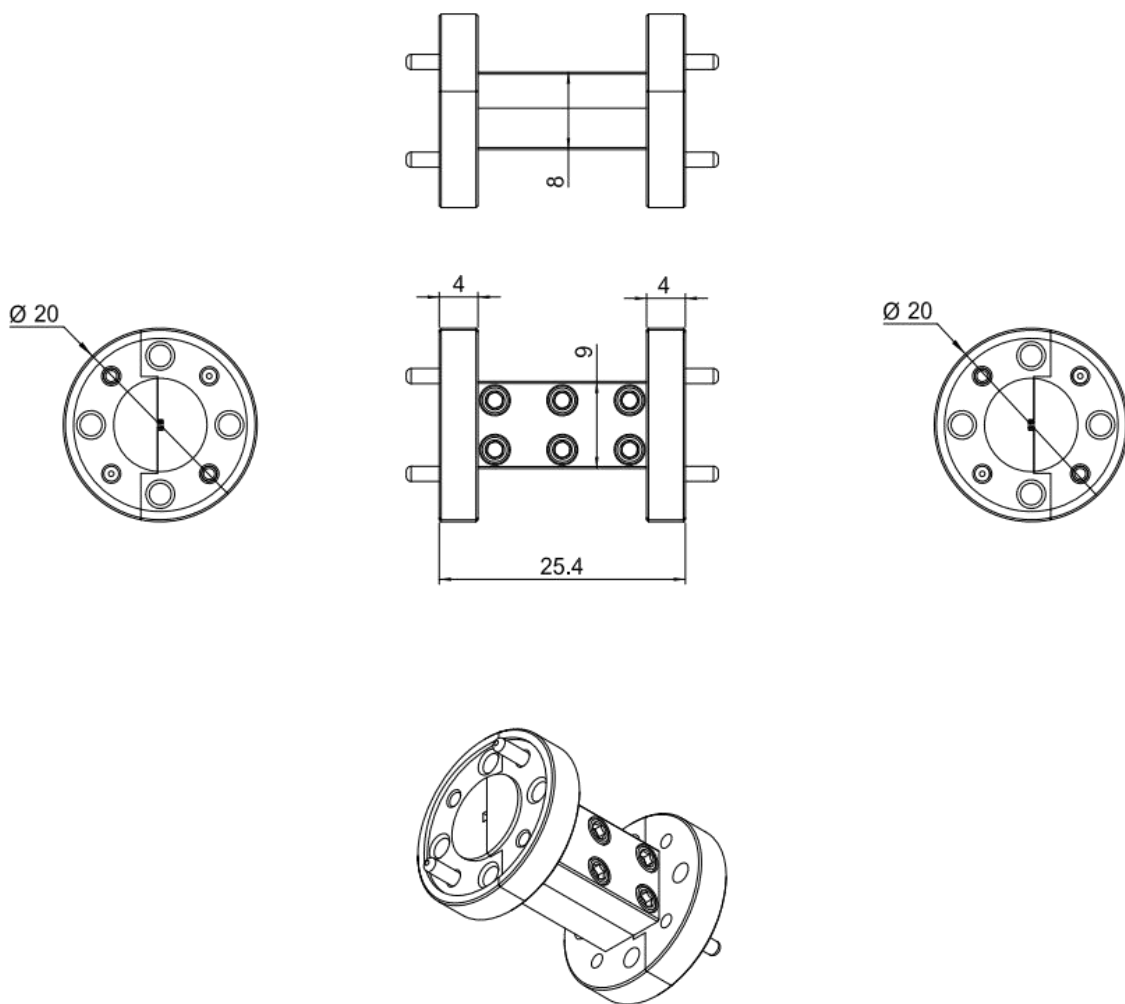
参数 Parameter		Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range		221		228	GHz
通带带宽 Passband Width			7		GHz
回波损耗 Return Loss			-20		dB
通带插损 Passband Insertion Loss				3.5	dB
带外抑制 Rejection	@170-217GHz	40			dB
	@233-260GHz	40			
3dB带宽 Approximate 3dB Bandwidth		221		228	GHz

环境和机械特性 Envrionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-40 To +85	℃
存储温度 Storage Temperature	-40 to +85	℃
材质 Material	Copper	
表面处理 Finish	Gold Plated	
波导 Waveguide	WR-4.3/UG-387/U-M	

外形图 Outline Drawing:

Unit:mm

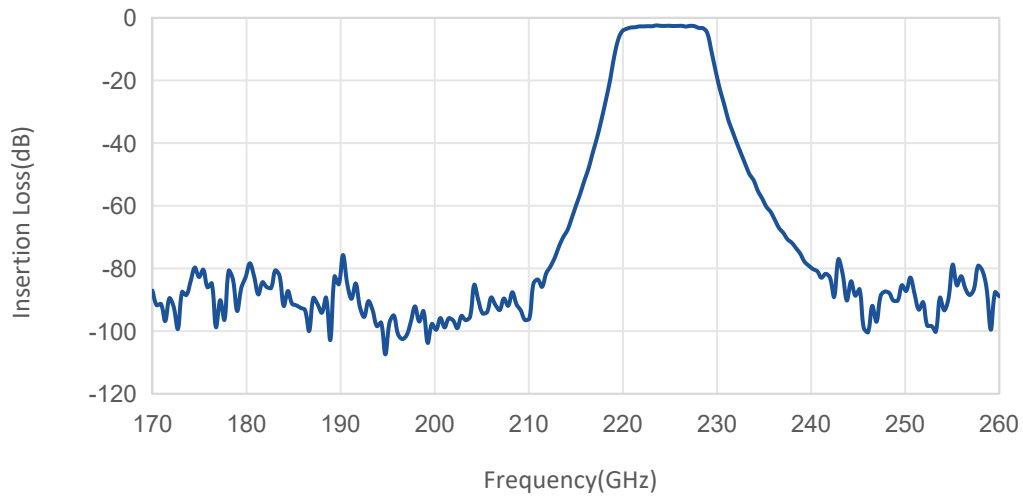


订货信息 Ordering Information:

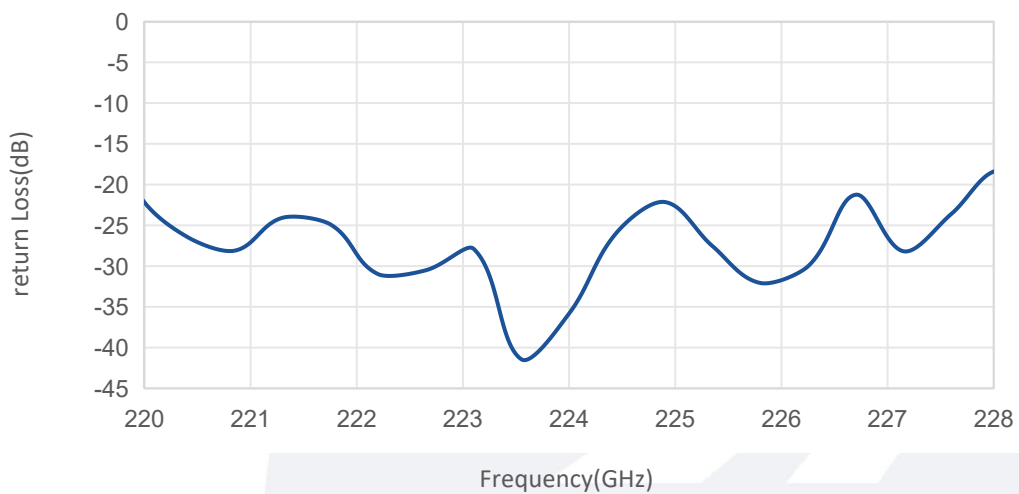
标准型号 Base Number	描述 Description	版本号 Revision
TLBF-221G228G-40	Waveguide Bandpass Filter, 221-228GHz, Insertion Loss: 3.5dB, Rejection: 40dB @ 170-217GHz & 233-260GHz, WR-4.3/UG-387/U-M	Rev.1.1

典型曲线 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.