

Waveguide Bandpass Filter

WR-08/110-123GHz

Model: TLBF-110123-50-08

TLBF-110123-50-08 is a waveguide bandpass filter with a passband frequency from 110 to 123 GHz and a rejection frequency from DC to 102 GHz and 132 to 140 GHz. The maximum insertion loss of the filter is 2 dB and the minimum rejection is 50 dBc. The input and output port configuration offers an inline structure with WR-08 waveguides and UG-387/U-M anti-cocking flanges.

Features:

- Passband Frequency Range 110 to 123 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

电气特性 Electrical Characteristics:

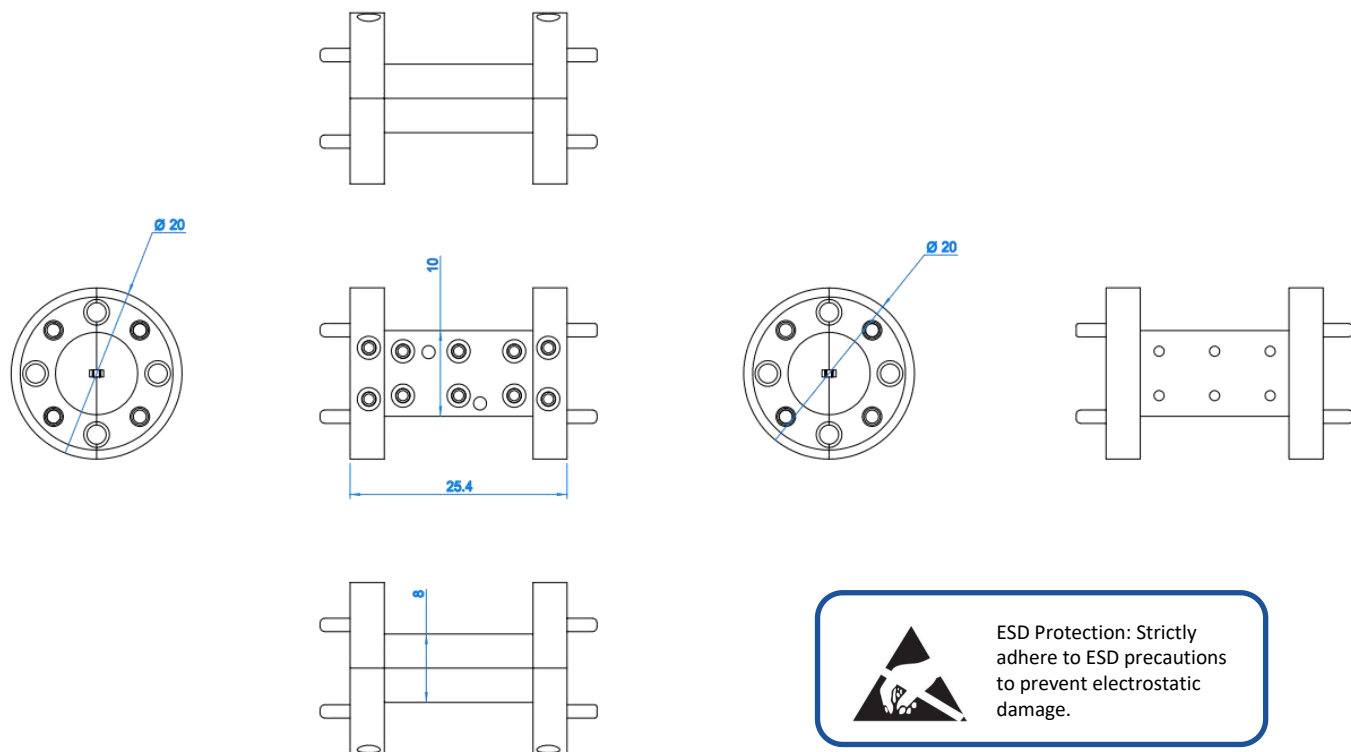
参数 Parameter		Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range		110		123	GHz
通带带宽 Passband Width			13		GHz
输入/输出驻波 Input/Output VSWR			1.3		:1
通带插损 Passband Insertion Loss				2	dB
带外抑制 Rejection	@DC-102 GHz	50			dBc
	@132-140 GHz	50			

环境和机械特性 Envrionmental And Physical Characteristics:

参数 Parameter	类型 Description	单位 Units
操作温度 Operating Temerature	-20 to +55	°C
存储温度 Storage Temerature	-20 to +55	°C
材质 Material	Aluminum	
表面处理 Finish	Conductive Coating, Natural Finish	
波导 Waveguide	WR-08/UG-387/U-M	

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-110123-50-08	Waveguide Bandpass Filter, 110-123GHz, Insertion Loss: 2dB, Rejection: 50dBc@DC-102GHz&132-140GHz, WR-08/UG-387/U-M	Rev.1.0