

Waveguide Bandpass Filter

WR-10/95-110GHz

Model: TLBF-95110-30

TLBF-95110-30 is a waveguide bandpass filter with a passband frequency from 95 to 110 GHz and a rejection frequency from DC to 92 GHz and 115 to 140 GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 60dBc.

Features:

- Passband Frequency Range 95 to 110 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

电气特性 Electrical Characteristics:

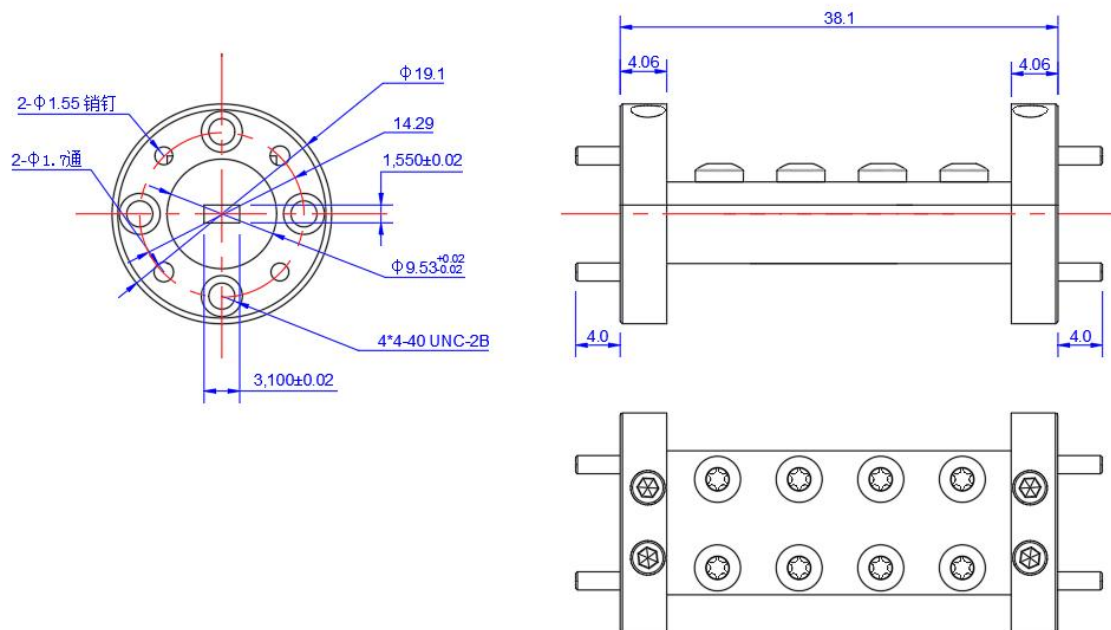
参数 Parameter		Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range		95		110	GHz
通带带宽 Passband Width			15		GHz
回波损耗 Return Loss				-15	dB
通带插损 Passband Insertion Loss			1.5	2.5	dB
带外抑制 Rejection	@90-92GHz	30			dBc
	@113-115GHz	30			
	@DC-90GHz	60			
	@115-140GHz	60			
	@140-160GHz	20			

环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-40 To +70	°C
波导 Waveguide	WR-10/UG-387/U-M	
尺寸 Size	ø19.1*38.1	mm

外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-95110-30	Waveguide Bandpass Filter, 95-110GHz, Insertion Loss: 1.5dB, Rejection: 60dBc @ DC-90GHz & 115-140GHz, WR-10/UG-387/U	Rev.1.0