

Waveguide Bandpass Filter

WR-10/83-110GHz

Model: TLBF-83110-30

TLBF-83110-30 is a waveguide bandpass filter with a passband frequency from 83 to 110 GHz and a rejection frequency from DC to 79 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 60 dB.

Features:

- Passband Frequency Range 83 to 110 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

Electrical Characteristics:

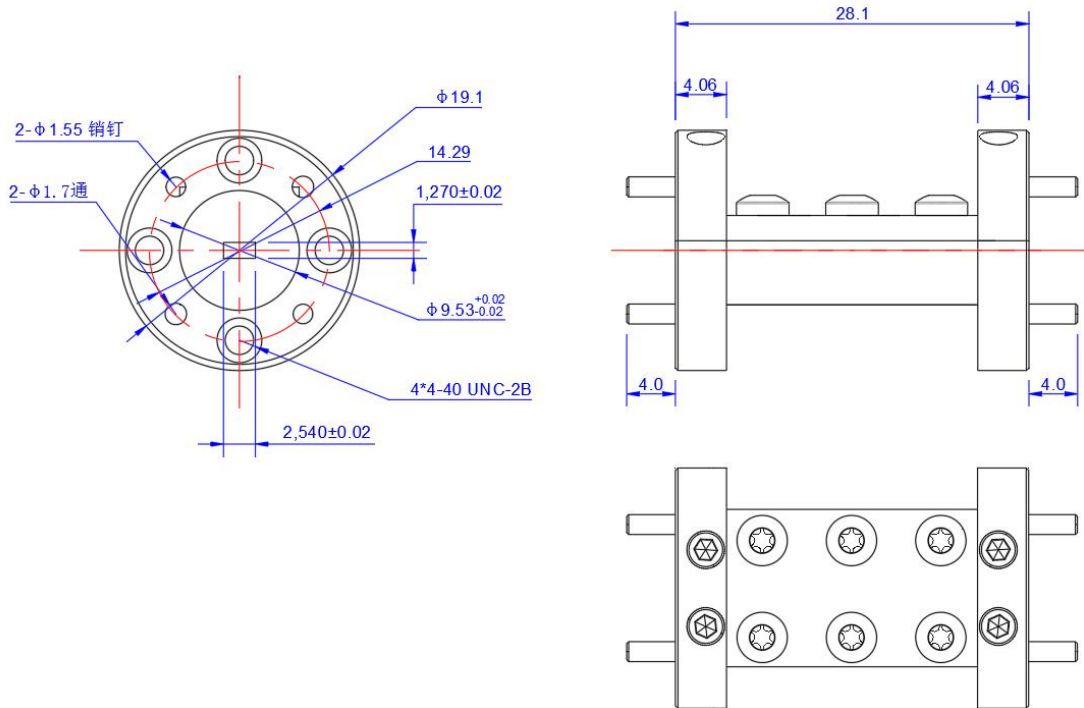
Parameter		Min	Typ	Max	Units
Passband Frequency range		83		110	GHz
Passband Width			27		GHz
Ruturn Loss			-18	-15	dB
Passband Insertion Loss			1	2	dB
Rejection	@79-81GHz	30			dBc
	@DC-79GHz	60			

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Storage Temperature	-40 to +70	°C
材质 Material	Aluminium	
表面处理 Finish	Conductive oxidation	
Waveguide	WR-10/UG-387/U-M	
Length	38.1	mm

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-83110-30	Waveguide Bandpass Filter, 83-110GHz, Insertion Loss: 1.0dB, Rejection: 60dB@DC-79GHz, WR-10/UG-387/U-M	Rev.1.1