

Waveguide Bandpass Filter

WR-10/75-85GHz

Model: TLBF-7585-30

TLBF-7585-30 is a waveguide bandpass filter with a passband frequency from 75 to 85 GHz and a rejection frequency from DC to 71 GHz and 89 to 140 GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 60dBc.

Features:

- Passband Frequency Range 75 to 85 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

Electrical Characteristics:

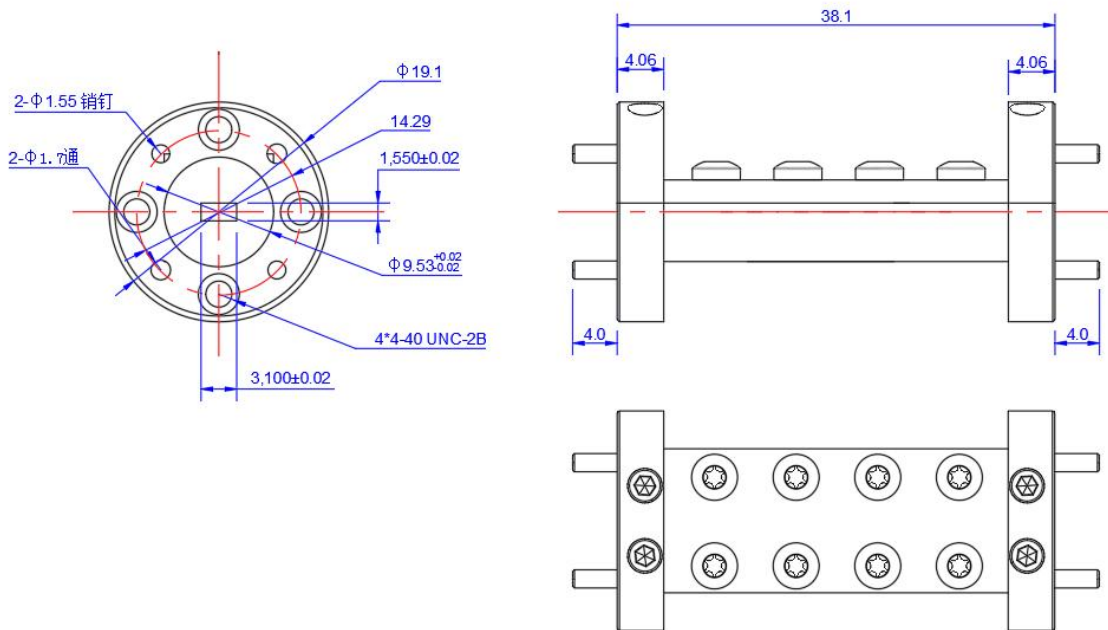
Parameter		Min	Typ	Max	Units
Passband Frequency range		75		85	GHz
Passband Width			10		GHz
Return Loss				-15	dB
Passband Insertion Loss			1.5	2.5	dB
Rejection	@71-73GHz	30			dBc
	@87-89GHz	30			
	@DC-71GHz	60			
	@89-140GHz	60			
	@140-160GHz	20			

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Waveguide	WR-10/UG-387/U-M	
Size	ø19.1*38.1	mm

Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-7585-30	Waveguide Bandpass Filter, 75-85GHz, Insertion Loss: 1.5dB, Rejection: 60dBc@DC-71GHz&89-140GHz, WR-10/UG-387/U-M	Rev.1.0