

Coaxial Band-pass Filter

4.5-6.5 GHz/SMA Female

Model: TLBF-4G5-6G5-X2

TLBF-4G5-6G5-X2 is a coaxial band-pass filter with a passband frequency from 4.5 to 6.5 GHz and a rejection frequencies @DC-3.7GHz and 7.3-14 GHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 4.5 to 6.5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

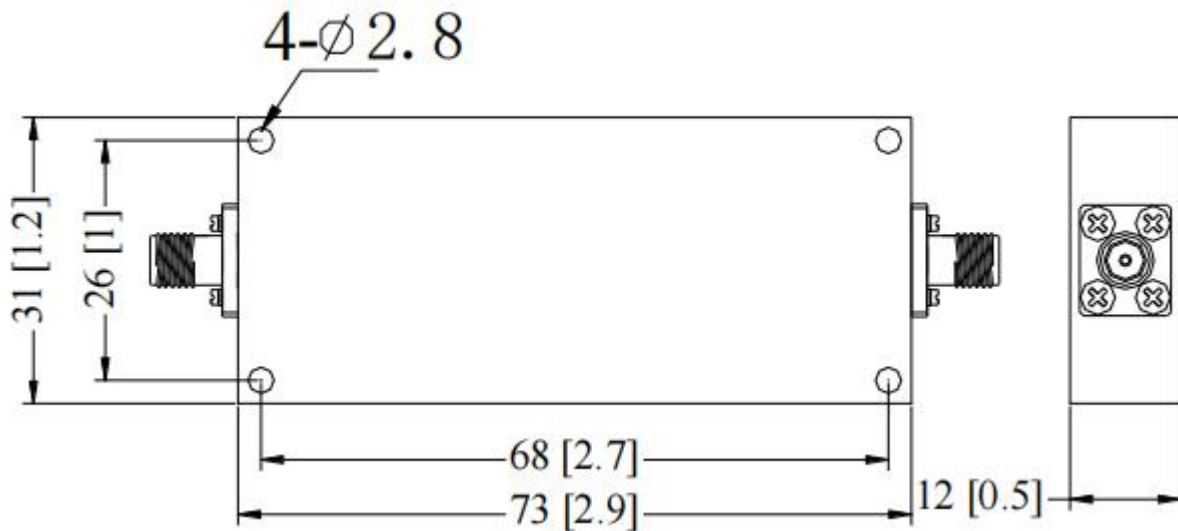
Parameter	Min	Typ	Max	Units
Passband Frequency range	4.5		6.5	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.2	dB
Rejection	>50dB@dc-3.7Ghz >50dB@7.3-14Ghz			
Power Handling			15	W
VSWR			1.6	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	

Outline Drawing:

Unit:mm



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

Ordering Information:

Base Number	Description	Revision
TLBF-4G5-6G5-X2	Coaxial Band-pass Filter, Passband frequency range: 4.5-6.5GHz, Passband Insertion Loss: 1.5dB, SMA Female	Rev.1.0