

Coaxial Band-pass Filter

2-4 GHz/SMA Female

Model: TLBF-2G-4G-S

TLBF-2G-4G-S is a coaxial band-pass filter with a passband frequency from 2 to 4 GHz and a rejection frequencies from DC-1.9 GHz. The maximum insertion loss of the filter is 0.3 dB and the minimum rejection is 20 dB.

Features:

- Passband Frequency Range 2 to 4 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

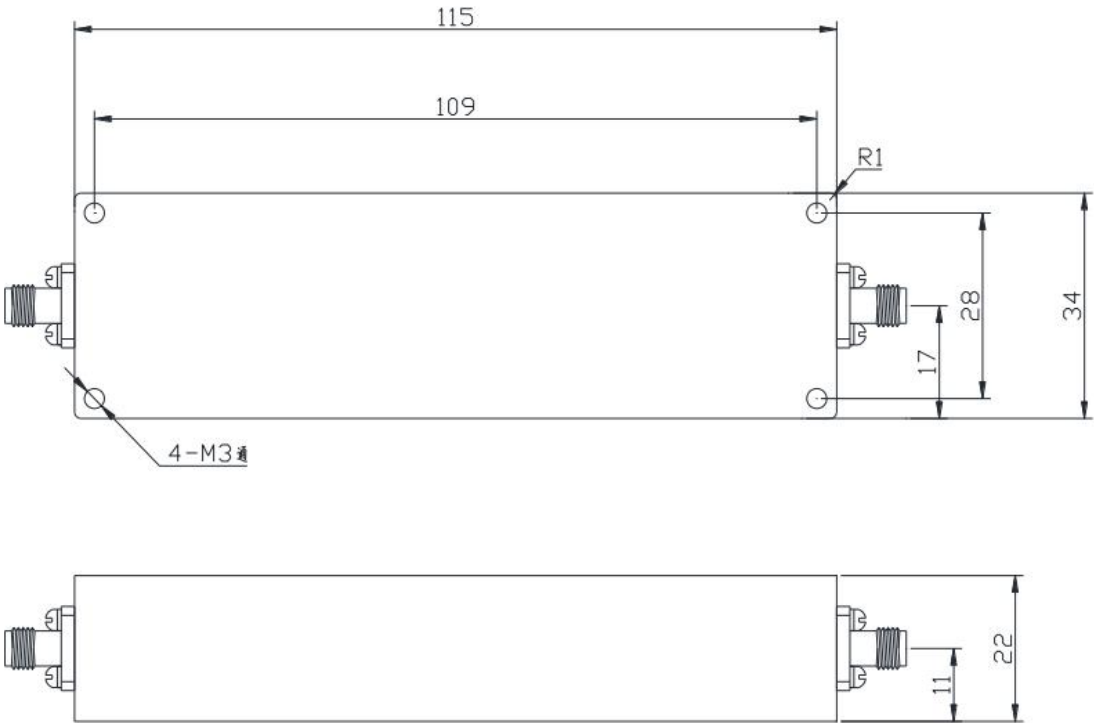
Parameter	Min	Typ	Max	Units
Passband Frequency range	2		4	GHz
Band Width			2	GHz
Passband Insertion Loss			0.3	dB
Rejection	≥20dB@DC-1.9GHz			
Power Handling			2	W
Amplitude Balance	≤±0.1dB (Every 6)			
Phase Balance	≤±3° (Every 6)			
VSWR			1.6	:1
Impedance	50			Ohms

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-2G-4G-S	Coaxial Band-pass Filter, Passband frequency range: 2-4GHz, Passband Insertion Loss: 0.3dB, SMA Female	Rev.1.0