

Coaxial Band-pass Filter

2.9-3.9 GHz/SMA Female

Model: TLBF-3G4-1G-X

TLBF-3G4-1G-X is a coaxial band-pass filter with a passband frequency from 2.9 to 3.9 GHz and a rejection frequencies from DC-2.4 GHz and 4.9-8 GHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 2.9 to 3.9 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

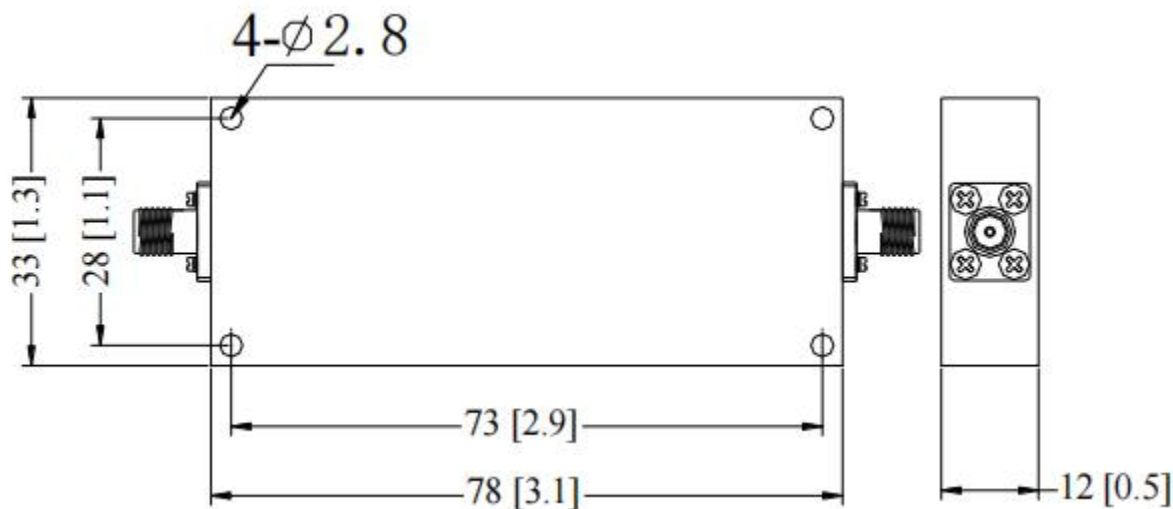
Parameter	Min	Typ	Max	Units
Passband Frequency range	2.9		3.9	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.0	dB
Rejection	>50dB@dc-2.4Ghz >50dB@4.9-8Ghz			
Power Handling			15	W
VSWR			1.8	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

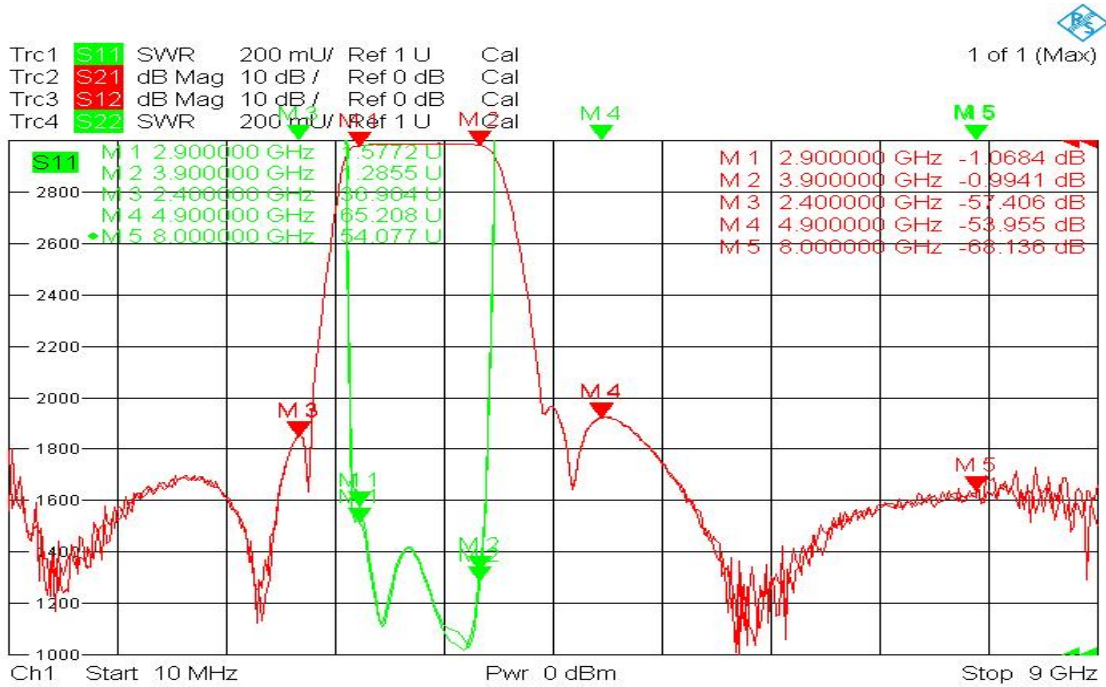


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-3G4-1G-X	Coaxial Band-pass Filter, Passband frequency range: 2.9-3.9GHz, Passband Insertion Loss: 1.5dB, SMA Female	Rev.1.0

Typical Performance Data:



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.