

Coaxial Band-pass Filter

2.97-3.03 GHz/SMA Female

Model: TLBF-3G-30M-L

TLBF-3G-30M-L is a coaxial band-pass filter with a passband frequency from 2.97 to 3.03 GHz and a rejection frequencies from DC-2.57 GHz and 3.43 GHz. The maximum insertion loss of the filter is 3.0 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 2.97 to 3.03 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

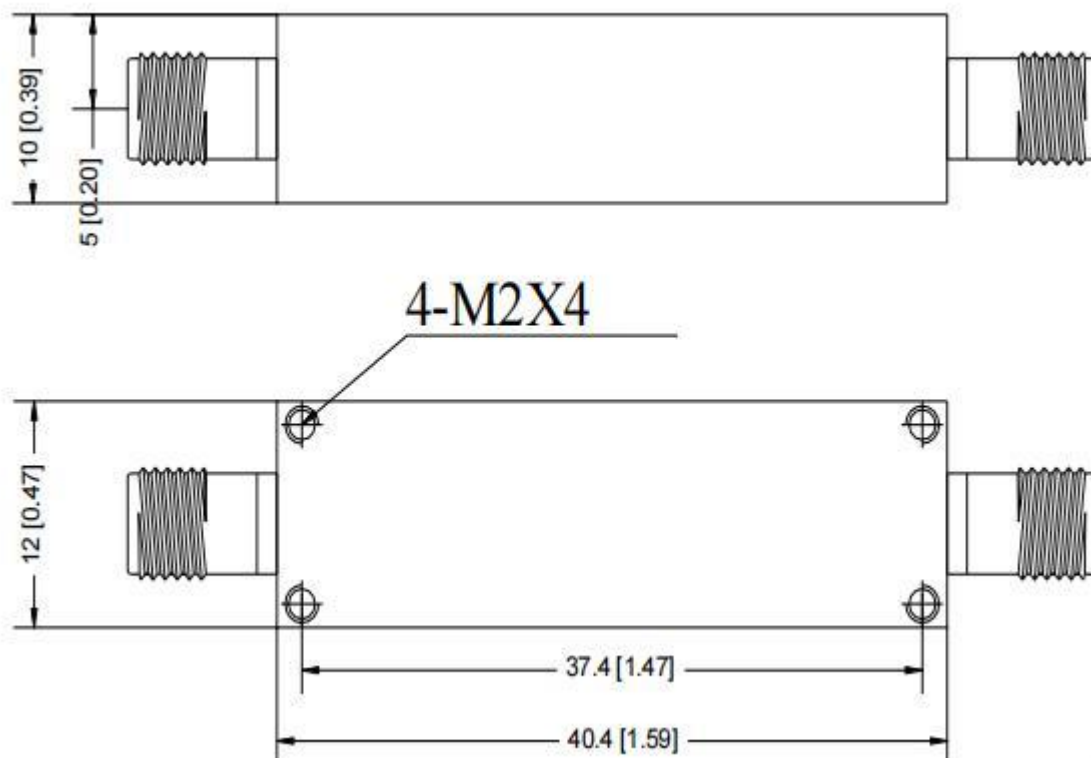
Parameter	Min	Typ	Max	Units
Passband Frequency range	2.97		3.03	GHz
Band Width			0.06	GHz
Passband Insertion Loss			3.0	dB
Pass Band Ripple			2.8	dB
Rejection	>50dB@fc±400Mhz			
Power Handling			2	W
VSWR			1.6	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

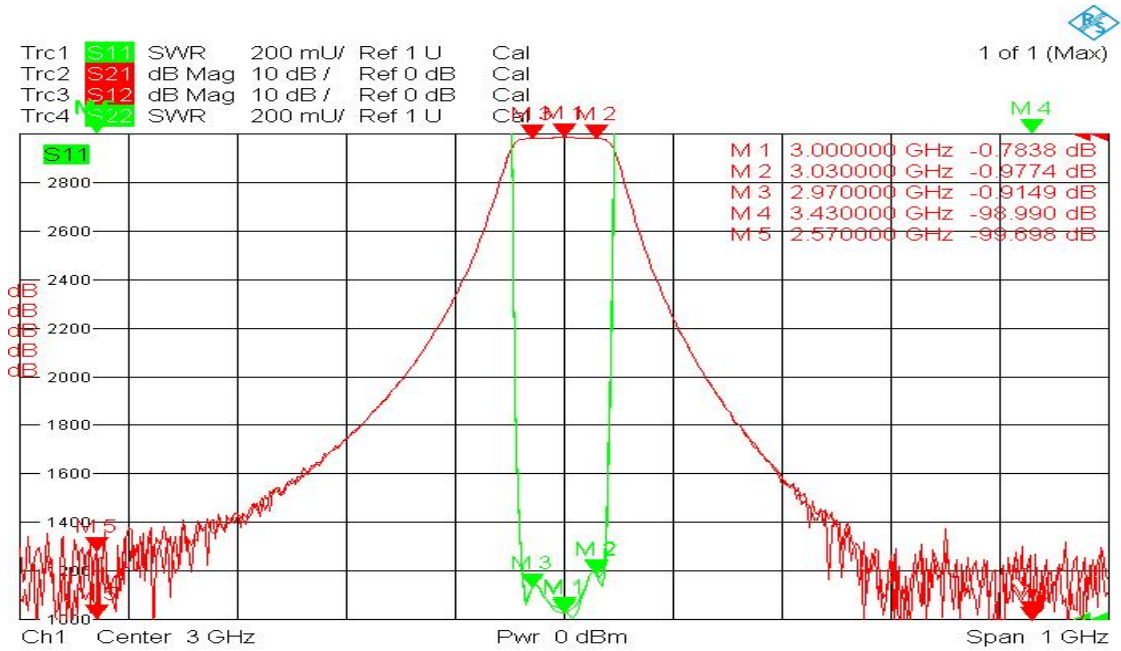


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-3G-30M-L	Coaxial Band-pass Filter, Passband frequency range: 2.97-3.03GHz, fo Insertion Loss: 3.0dB, 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.