

Coaxial Band-pass Filter

5-7.5 GHz/SMA Female

Model: TLBF-5G-7G5-X

TLBF-5G-7G5-X is a coaxial band-pass filter with a passband frequency from 5 to 7.5 GHz and a rejection frequencies from DC-4.25GHz and 8-14 GHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 5 to 7.5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

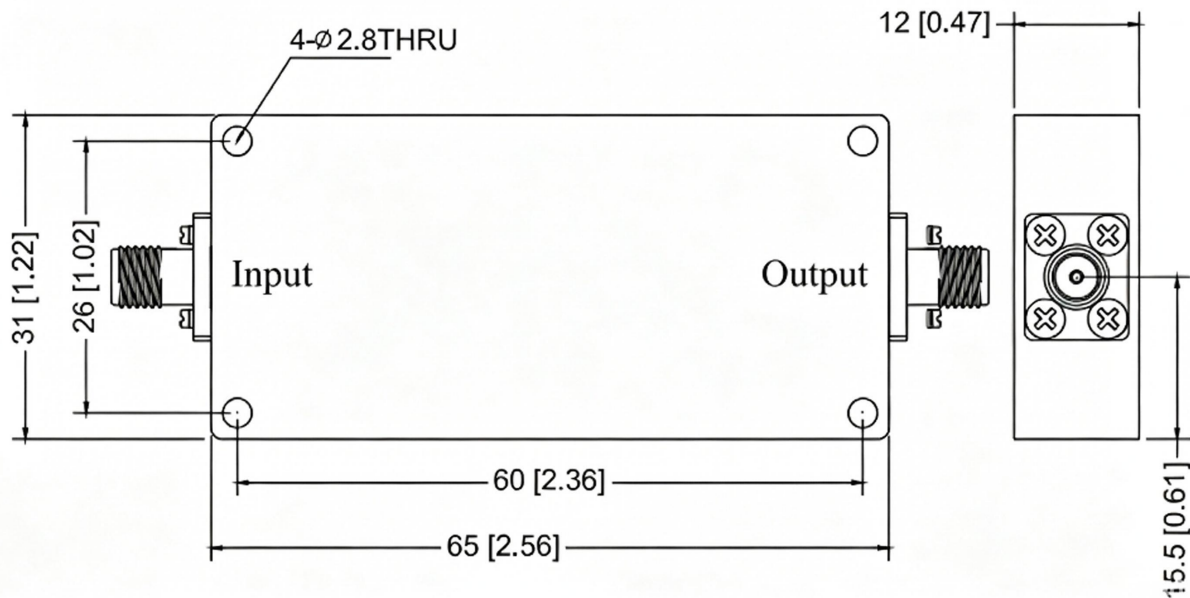
Parameter	Min	Typ	Max	Units
Passband Frequency range	5		7.5	GHz
Band Width			2.5	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.4	dB
Rejection	>50dB@dc-4.25Ghz 8-14Ghz			dB
Power Handling			15	W
VSWR			1.8	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

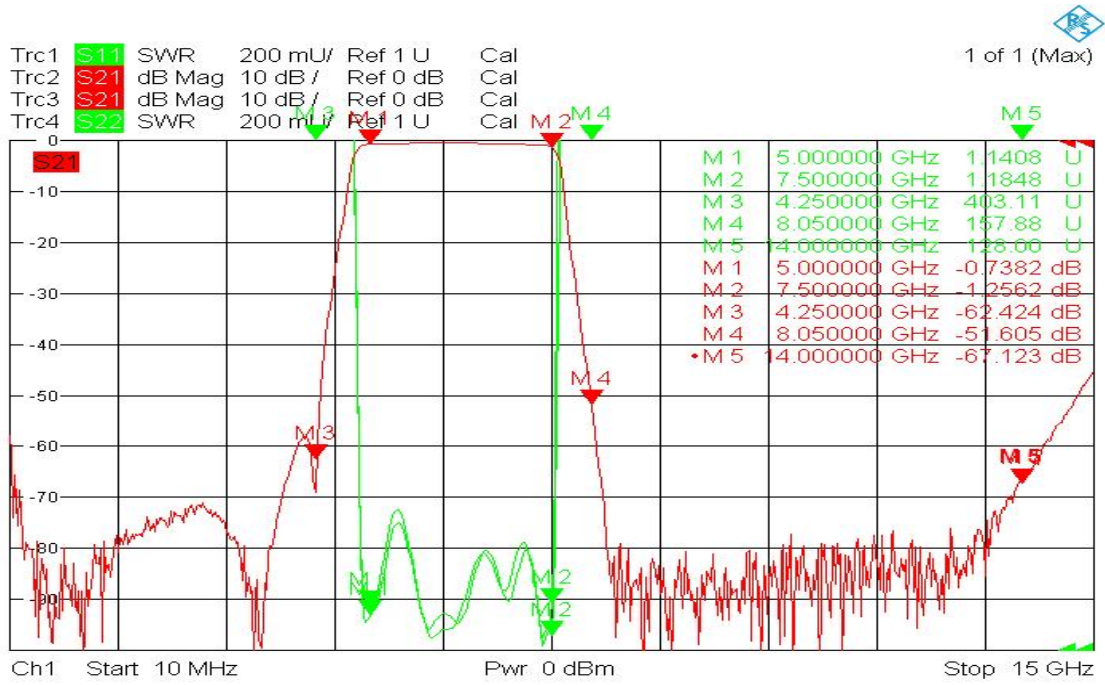


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-5G-7G5-X	Coaxial Band-pass Filter, Passband frequency range: 5-7.5GHz, 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.