

Coaxial Band-pass Filter

8-12 GHz/SMA Female

Model: TLBF-8G-12G-X5

TLBF-8G-12G-X5 is a coaxial band-pass filter with a passband frequency from 8 to 12 GHz and a rejection frequencies from DC-6GHz and 14 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 8 to 12 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

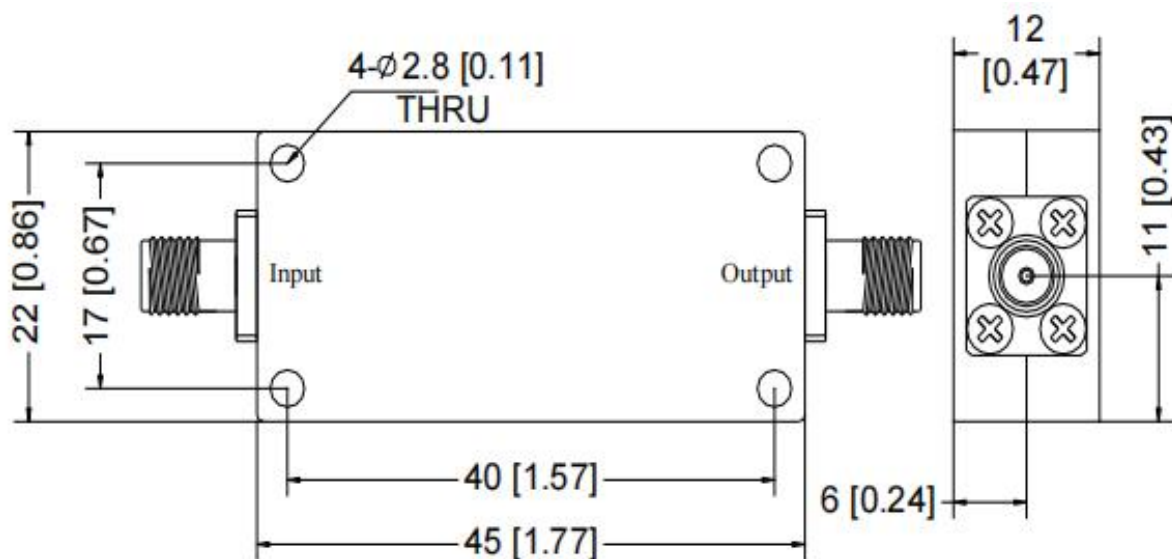
Parameter	Min	Typ	Max	Units
Passband Frequency range	8		12	GHz
Band Width			4	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple			1.0	dB
Rejection	>50dB@dc-6Ghz 14Ghz			dB
Power Handling			20	W
VSWR			1.8	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

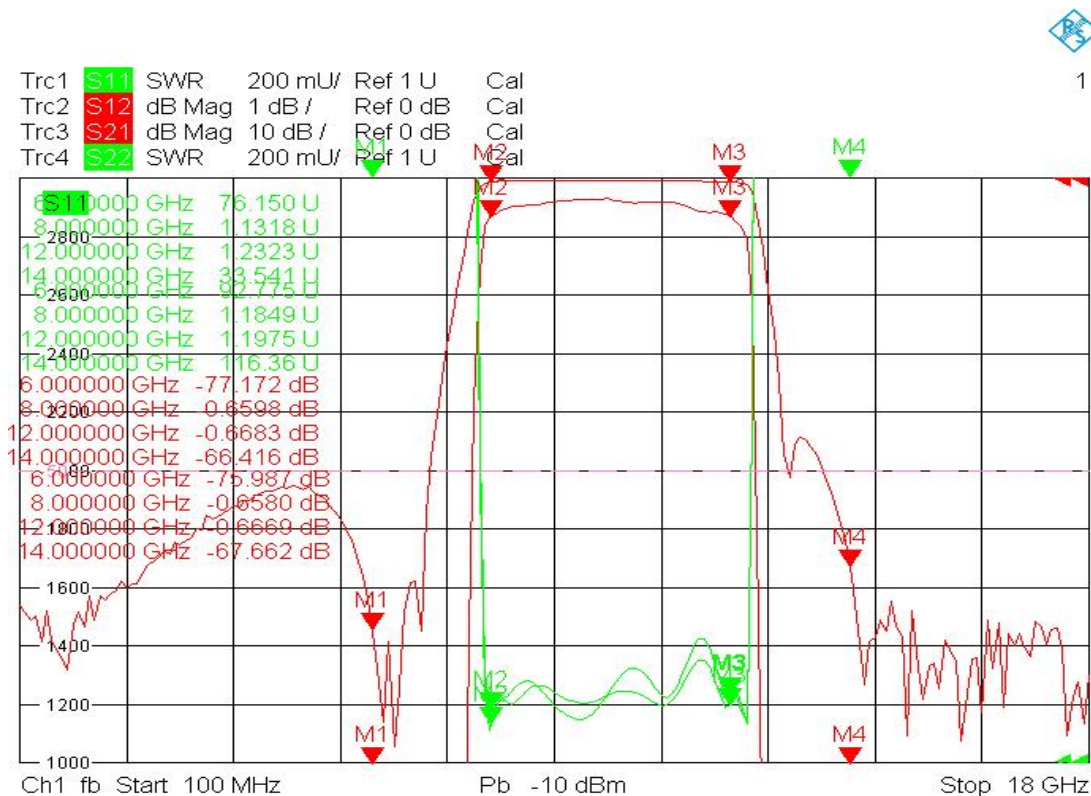


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-8G-12G-X5	Coaxial Band-pass Filter, Passband frequency range: 8-12GHz, Passband Insertion Loss: 1.2dB, 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.