

Coaxial Band-pass Filter

8-12.4 GHz/SMA Female

Model: TLBF-8G-12G4-X

TLBF-8G-12G4-X is a coaxial band-pass filter with a passband frequency from 8 to 12.4 GHz and a rejection frequencies from DC-6.8GHz and 14.3 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 45 dB.

Features:

- Passband Frequency Range 8 to 12.4 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

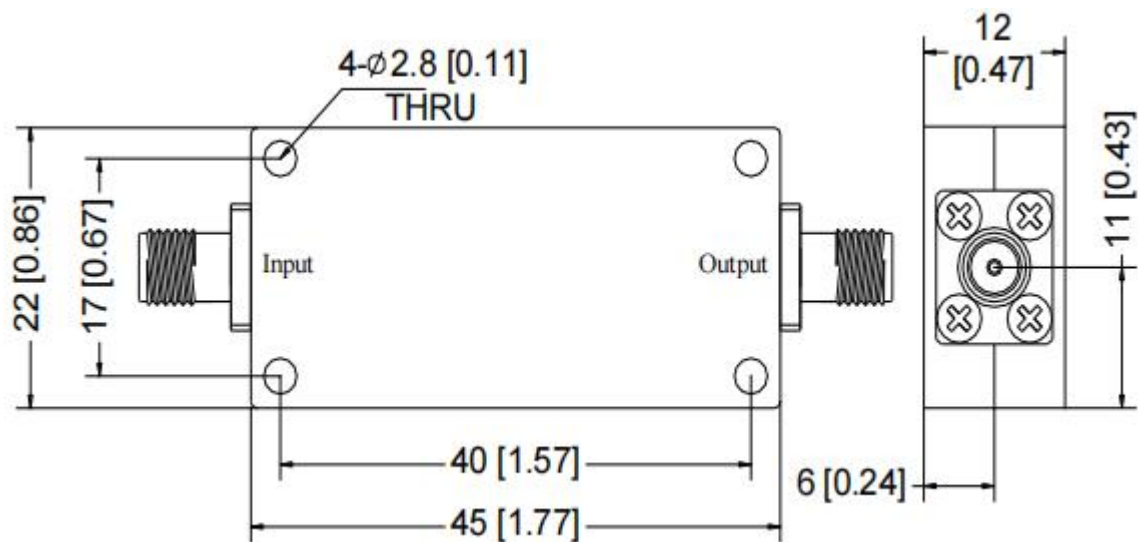
Parameter	Min	Typ	Max	Units
Passband Frequency range	8		12.4	GHz
Band Width			4.4	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple			1.0	dB
Rejection	>45dB@dc-6.8Ghz 14.3Ghz			dB
Power Handling			15	W
VSWR			1.8	:1
Impedance	50			Ohms

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-8G-12G4-X	Coaxial Band-pass Filter, Passband frequency range: 8-12.4GHz, Passband Insertion Loss: 1.2dB, SMA Female	Rev.1.0