

Coaxial Band-pass Filter

1-4GHz/ SMA Female

Model: TLBF-1G-4G-X

TLBF-1G-4G-X is a coaxial band-pass filter with a passband frequency from 1 to 4GHz and a rejection frequencies from 0 to 0.5GHz and 4.5 to 10GHz. The nominal insertion loss of the filter is 1.5dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 1 to 4GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

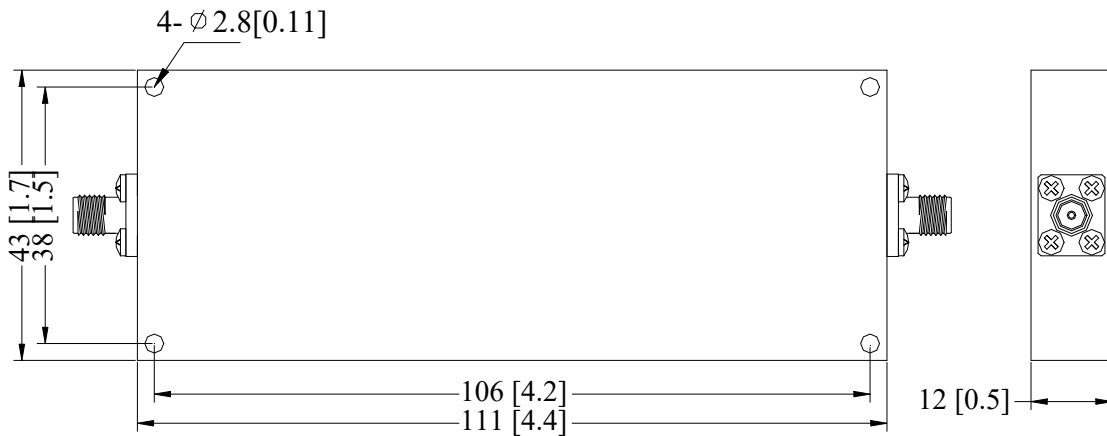
Parameter	Min	Typ	Max	Units
Passband Frequency range	1		4	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.0	dB
Rejection		>50dB@dc-0.5Ghz >50dB@4.5-10Ghz		dB
Power Handling			15	W
Input VSWR			1.8	:1
Output VSWR			1.8	:1
Impedance		50		Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm;

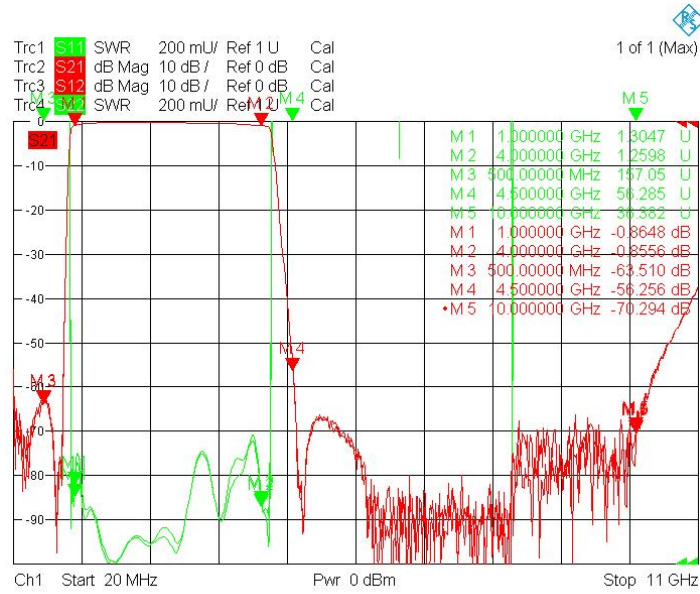


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	描述 Description	Revision
TLBF-1G-4G-X	Coaxial Band-pass Filter, Passband frequency range: 1 to 4GHz, 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.