

Coaxial Band-pass Filter

3.8-4.2GHz/ SMA Female

Model: TLBF-4G-400M-E

TLBF-4G-400M-E is a coaxial band-pass filter with a passband frequency from 3.8 to 4.2GHz and a rejection frequencies at 3.2 and 4.8 GHz. The nominal insertion loss of the filter is 1.0 dB and the typical rejection is 45 dB.

Features:

- Passband Frequency Range: 3.8 to 4.2GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

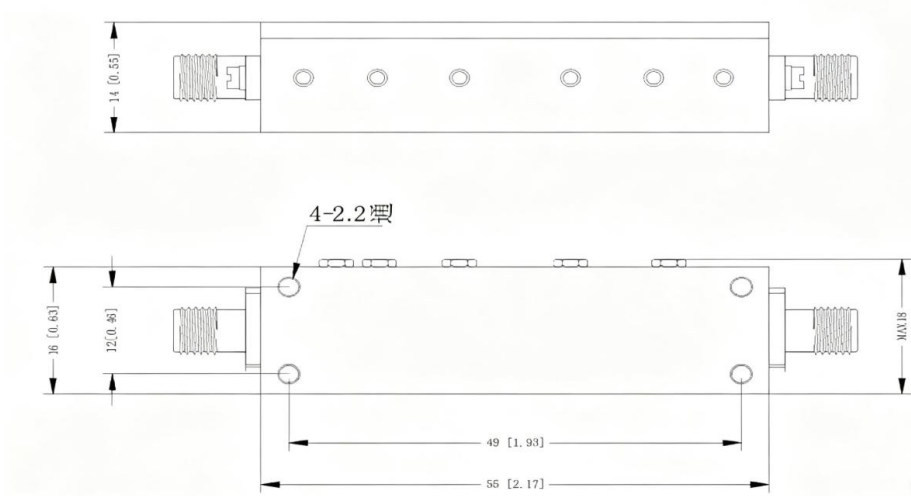
Parameter	Min	Typ	Max	Units
Passband Frequency range	3.8	4	4.2	GHz
Passband Insertion Loss		0.8	1.0	dB
Pass Band Ripple			0.8	dB
Rejection	>45dB@f0±800MHz 2nd &3rd Harmonics>90-110db(50Hz Sweep)			dB
Power Handling			15	W
Input VSWR			1.35	:1
Output VSWR			1.35	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm;

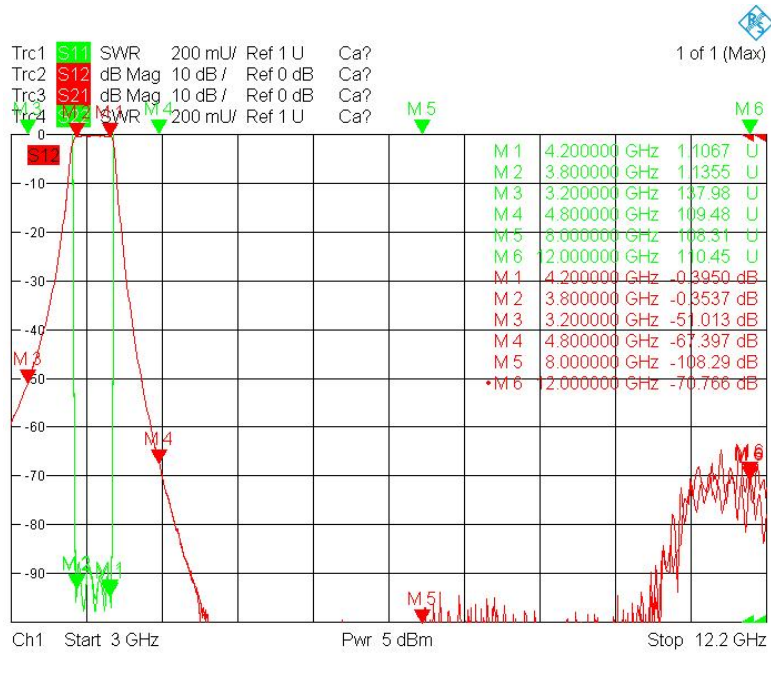


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-4G-400M-E	Coaxial Band-pass Filter, Passband frequency range: 3.8 to 4.2GHz, Passband Insertion Loss: 1.0dB, 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.