

Coaxial Band-pass Filter

6.8-7.1 GHz/SMA Female/SMA Male

Model: TLBF-6G9-200M-E

TLBF-6G9-200M-E is a coaxial band-pass filter with a passband frequency from 6.8 to 7.1 GHz and a rejection frequencies from DC-6.1 GHz and 7.5 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 6.8 to 7.1 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

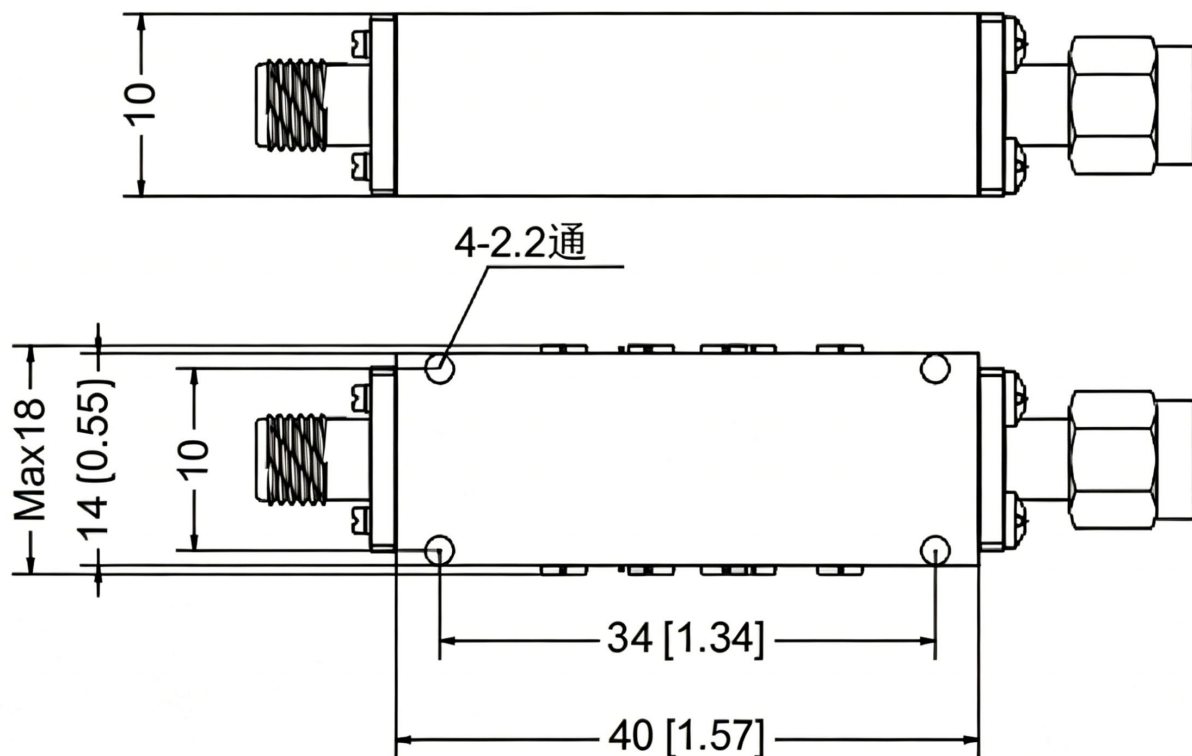
Parameter	Min	Typ	Max	Units
Passband Frequency range	6.8		7.1	GHz
Band Width			0.2	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple	0.4			dB
Group Delay Flatness	1.3			NS
Rejection	>70dB@DC-6.1Ghz 7.5Ghz			dB
Power Handling			15	W
VSWR			1.3	:1
Impedance	50			Ohms

Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	-40 To +70	°C
Connectors	SMA Female/SMA Male	

Outline Drawing:

Unit:mm

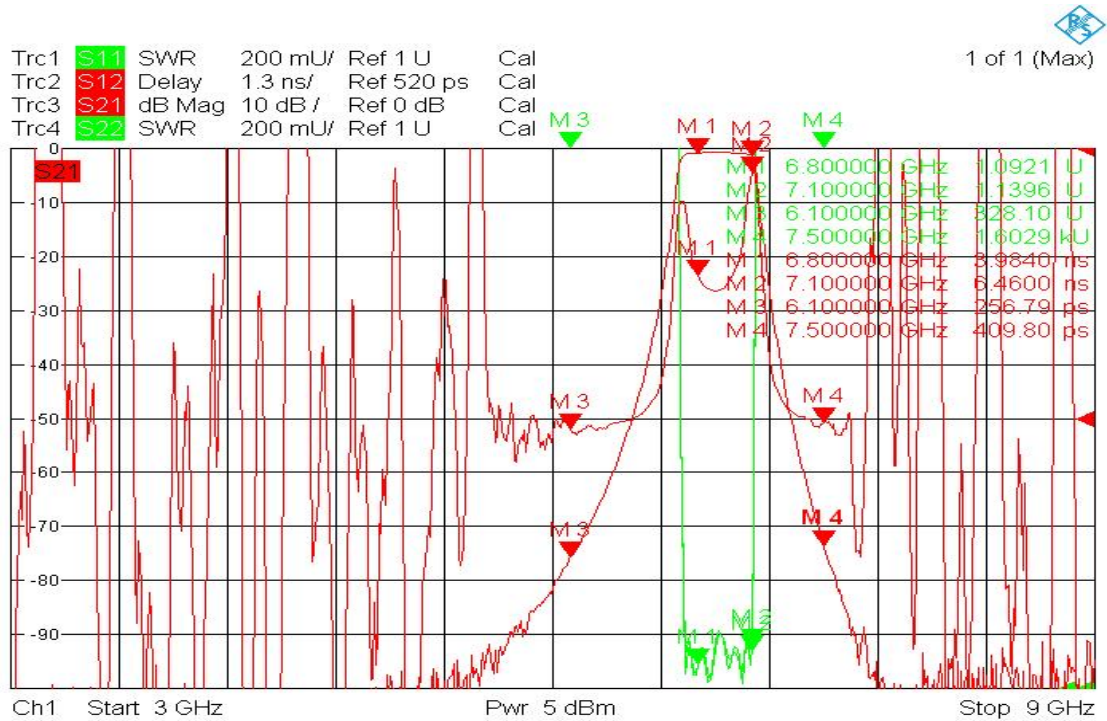


ESD Protection: Strictly
adhere to ESD precautions
to prevent electrostatic
damage.

Ordering Information:

Base Number	Description	Revision
TLBF-6G9-200M-E	Coaxial Band-pass Filter, Passband frequency range: 6.8-7.1GHz, Insertion Loss: 1.2dB, SMA Female/SMA Male	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.