

Coaxial Band-pass Filter

4-5 GHz/SMA Female/SMA Male

Model: TLBF-4G5-1G-E

TLBF-4G5-1G-E is a coaxial band-pass filter with a passband frequency from 4 to 5 GHz and a rejection frequencies from DC-4.4 GHz and 5.6 GHz. The maximum insertion loss of the filter is 0.8 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 4 to 5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

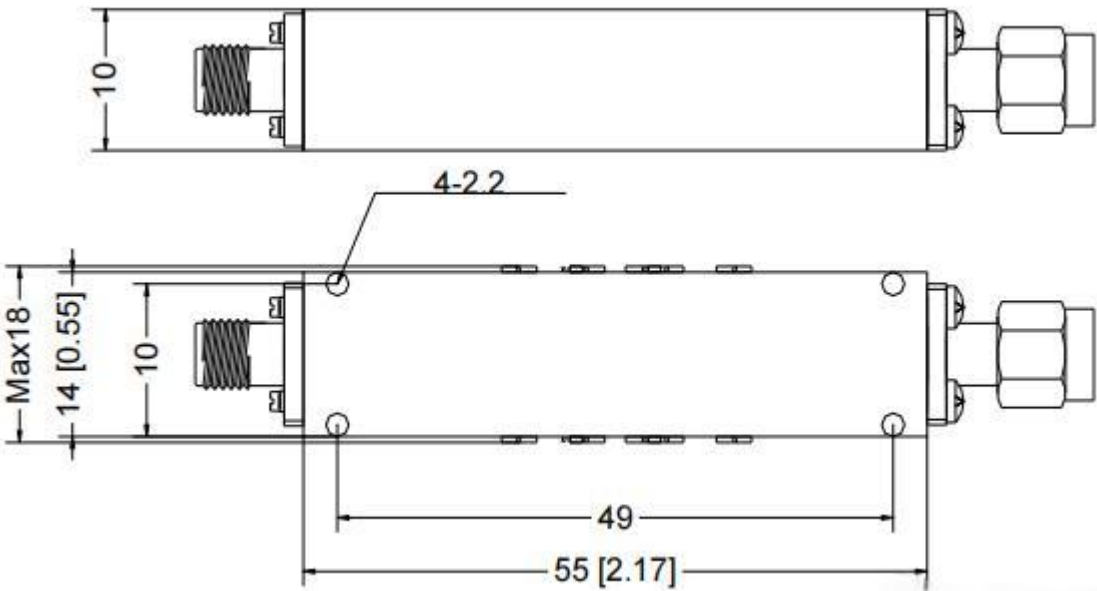
Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	4		5	GHz
Band Width			1	GHz
Passband Insertion Loss			0.8	dB
Pass Band Ripple	0.6			dB
Rejection	>70dB@DC-3.4Ghz 5.6Ghz			
Power Handling			15	W
VSWR			1.3	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:
Unit:mm



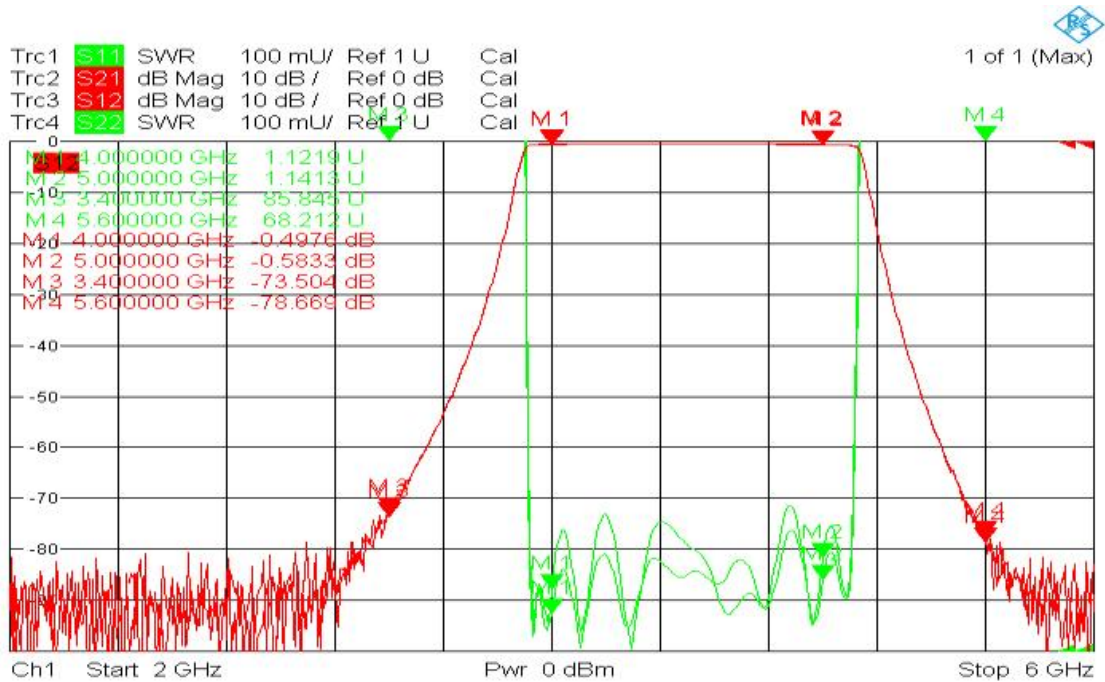


ESD Protection: Strictly
adhere to ESD precautions
to prevent electrostatic
damage.

Ordering Information:

Base Number	Description	Revision
TLBF-4G5-1G-E	Coaxial Band-pass Filter, Passband frequency range:4-5GHz, Passband Insertion Loss:0.8dB, 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.