

Coaxial Band-pass Filter

8.2-8.8GHz/ SMA Female/Male

Model: TLBF-8G5-600M-E

TLBF-8G5-600M-E is a coaxial band-pass filter with a passband frequency from 8.2 to 8.8GHz and a rejection frequencies from 0 to 7.5GHz and 9.3 GHz. The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 8.2 to 8.8GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

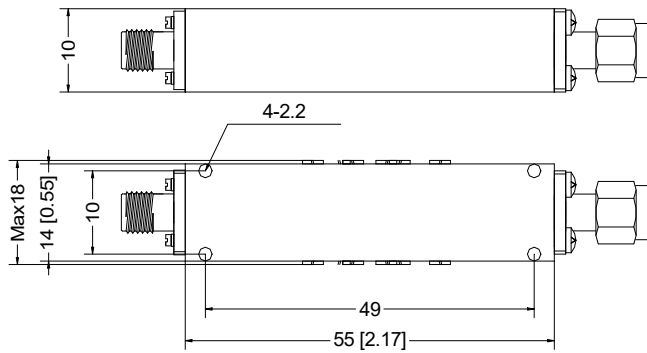
Parameter	Min	Typ	Max	Units
Passband Frequency range	8.2		8.8	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple	0.4			dB
Group Delay Flatness	1.3			ns
Rejection	>70dB@DC-7.5Ghz 9.3Ghz			dB
Power Handling			15	W
Input VSWR			1.3	:1
Output VSWR			1.3	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm;

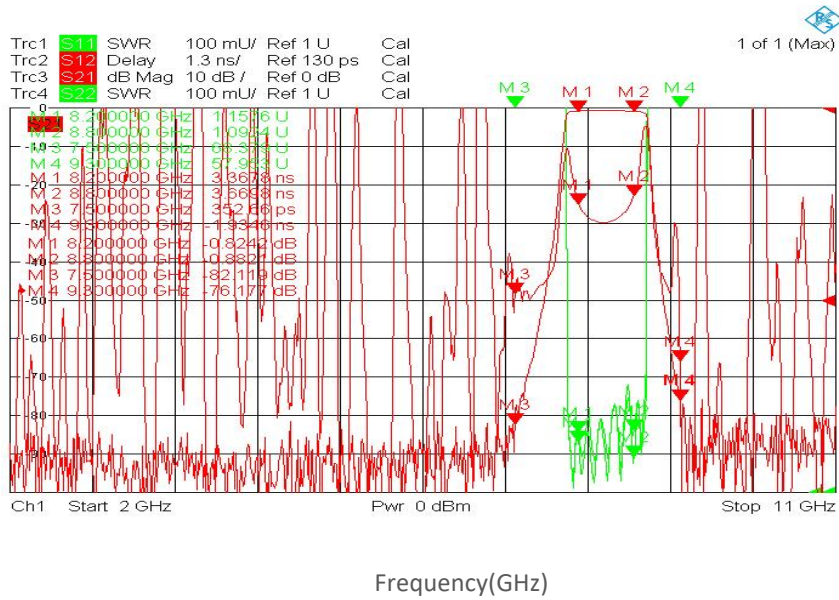


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-8G5-600M-E	Coaxial Band-pass Filter, Passband frequency range: 8.2 to 8.8GHz , Passband Insertion Loss: 1.2dB, SMA Female/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.