Suzhou Talent Microwave,Inc
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Coaxial Band-pass Filter

7.7-8.3GHz/ SMA Female/Male

Model: TLBF-8G-600M-E

TLBF-8G-600M-E is a coaxial band-pass filter with a passband frequency from 7.7 to 8.3GHz and a rejection frequencies from 0 to 7GHz and 8.8 GHz. The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 7.7 to 8.3GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	7.7		8.3	GHz
Passband Insertion Loss			1.2	dB
Pass Band Ripple		0.4		dB
Group Delay Flatness		1.3		ns
Rejection		>70dB@DC-7Ghz 8.8Ghz		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	℃
Storage Temerature	-40 to +70	℃
Connectors	SMA Female/Male	

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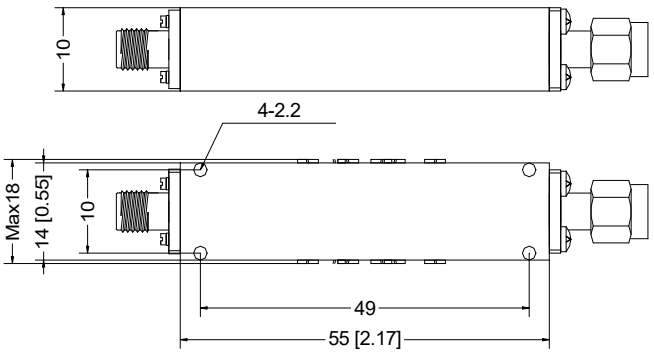
Outline Drawing:

Unit:mm;



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

Ordering Information:

Base Number	Description	Revision
TLBF-8G-600M-E	Coaxial Band-pass Filter,Passband frequency range:7.7 to 8.3GHz ,Passband Insertion Loss:1.2dB, SMA Female/Male	Rev.1.0

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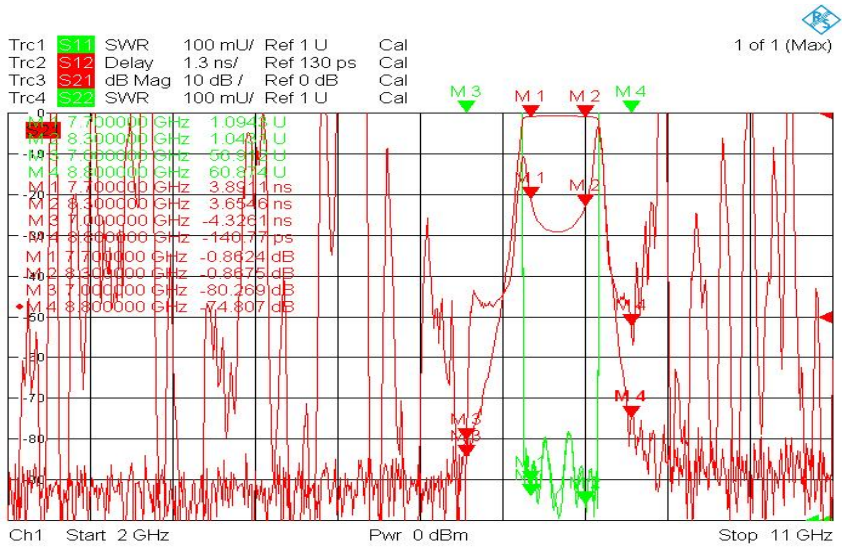
Typical Performance Data:



Frequency(GHz)

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.