Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

Coaxial Band-pass Filter

7.9-8.1GHz/ SMA Female

Model: TLBF-8G-200M-E

TLBF-8G-200M-E is a coaxial band-pass filter with a passband frequency from 7.9 to 8.1 GHz and a rejection frequencies at 7.5 GHz and 8.5 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range： 7.9 to 8.1 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Passband Frequency range	7.9	8	8.1	GHz
Passband Insertion Loss			2.0	dB
Pass Band Ripple			1.8	dB
Rejection	>40dB@fc±400MHz			dB
Power Handling			50	W
Input VSWR			1.5	:1
Output VSWR			1.5	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

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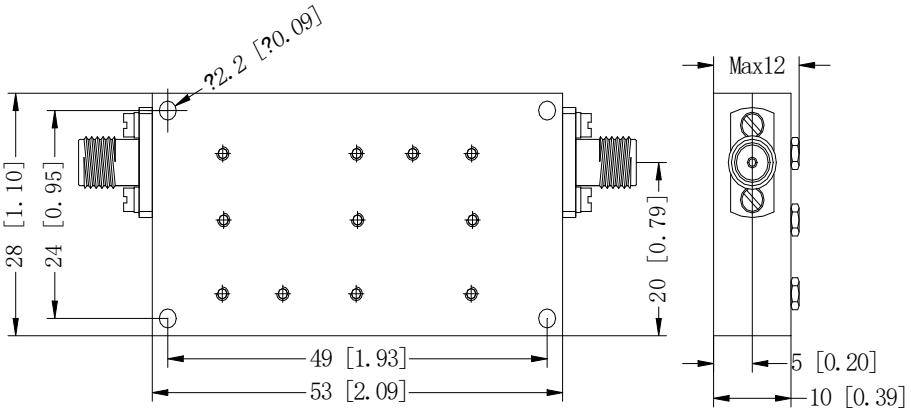
Outline Drawing:

Unit:mm;



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

Ordering Information:

Base Number	Description	Revision
TLBF-8G-200M-E	Coaxial Band-pass Filter,Passband frequency range:7.9 to 8.1 GHz ,Passband Insertion Loss:2.0dB, SMA Female	Rev.1.0

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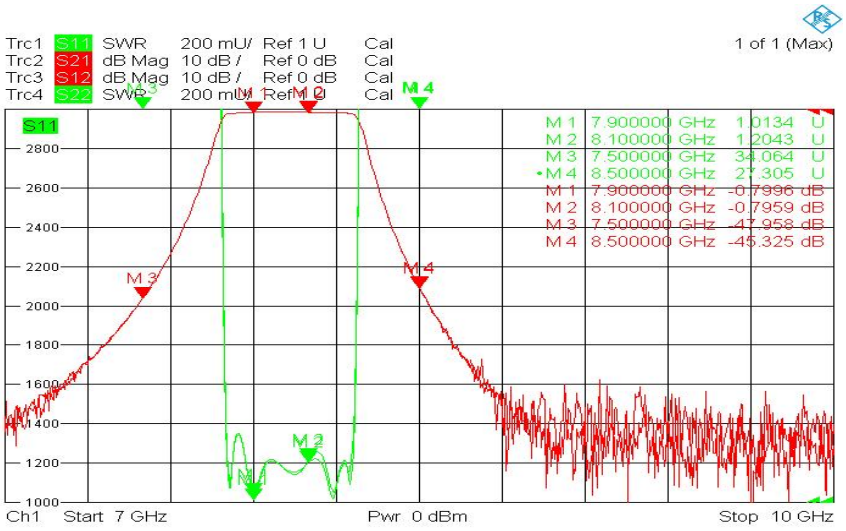
Typical Performance Data:



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.