

Coaxial Band-pass Filter

9.975-10.025 GHz/SMA Female

Model: TLBF-10G-50M-E

TLBF-10G-50M-E is a coaxial band-pass filter with a passband frequency from 9.975 to 10.025 GHz and a rejection frequencies from DC-9.8 GHz and 10.2 GHz. The maximum insertion loss of the filter is 3.0dB and the typical rejection is 55 dB.

Features:

- Passband Frequency Range 9.975 to 10.025 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

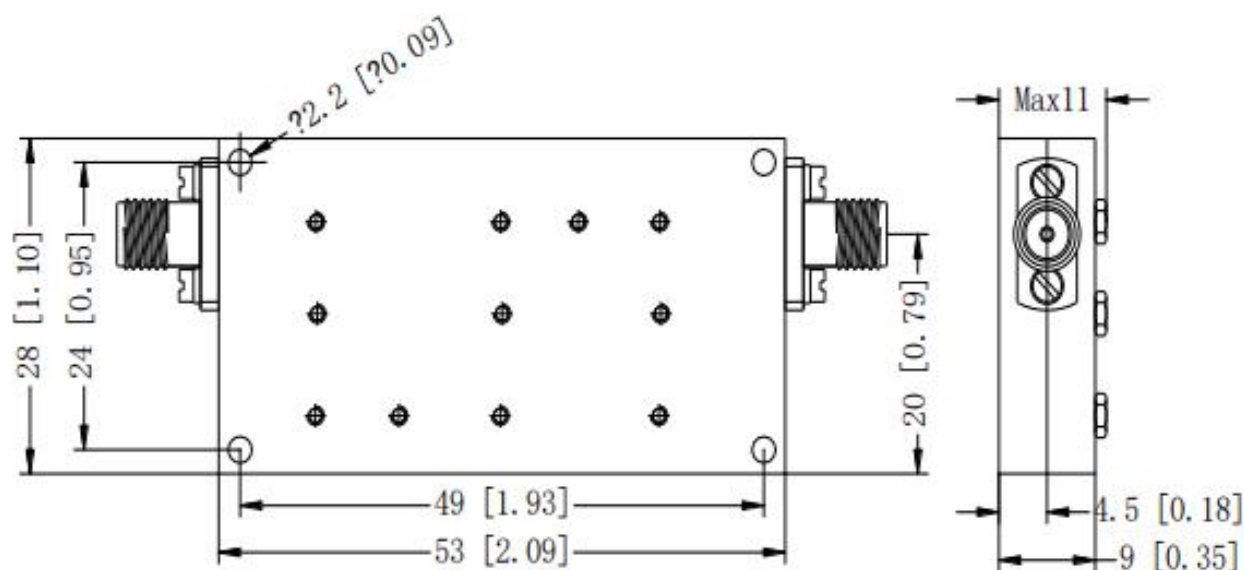
Parameter	Min	Typ	Max	Units
Passband Frequency range	9.975		10.025	GHz
Band Width			0.05	GHz
Passband Insertion Loss			3.0	dB
Pass Band Ripple			2.8	dB
Rejection	>55dB@dc-9.8Ghz 10.2Ghz			dB
Power Handling			15	W
VSWR			1.5	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
操作温度 Operating Temperature	-40 To +70	°C
接口 Connectors	SMA Female	

Outline Drawing:

Unit:mm

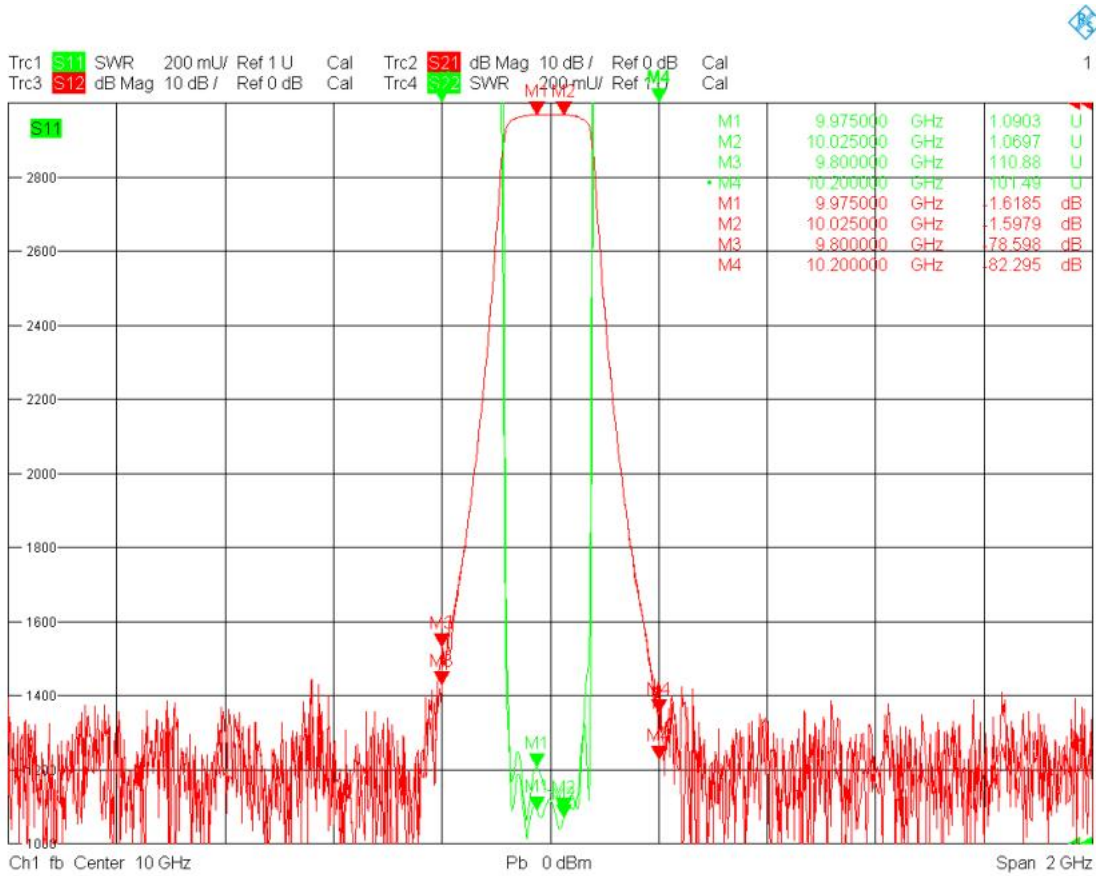


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-10G-50M-E	Coaxial Band-pass Filter, Passband frequency range: 9.975-10.025GHz, Passband Insertion Loss: 3.0dB, SMA Female	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.