

Coaxial Band-pass Filter

2.975-3.025 GHz/SMA Female

Model: TLBF-3G-50M-E2

TLBF-3G-50M-E2 is a coaxial band-pass filter with a passband frequency from 2.975 to 3.025 GHz and a rejection frequencies from DC-2.875 GHz and 3.125 GHz. The maximum fo insertion loss of the filter is 2.0 dB and the typical rejection is 35 dB.

Features:

- Passband Frequency Range 2.975 to 3.025 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

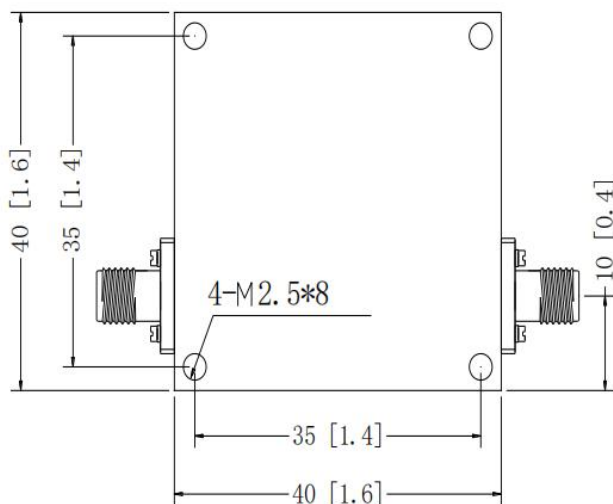
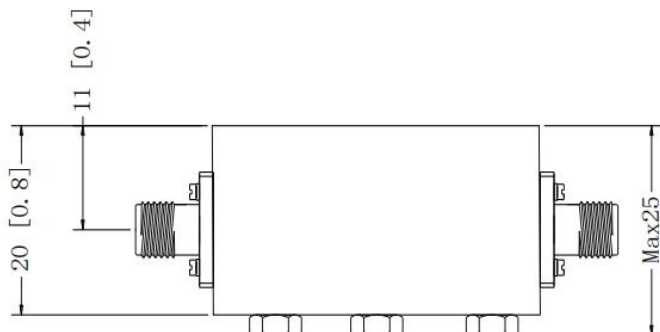
Parameter	Min	Typ	Max	Units
Passband Frequency range	2.975		3.025	GHz
Band Width			0.05	GHz
Insertion Loss(fo)			2.0	dB
Pass Band Ripple			1.8	dB
Rejection	>35dB@DC-2875MHz 3125MHz			
Power Handling			10	W
VSWR			1.6	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

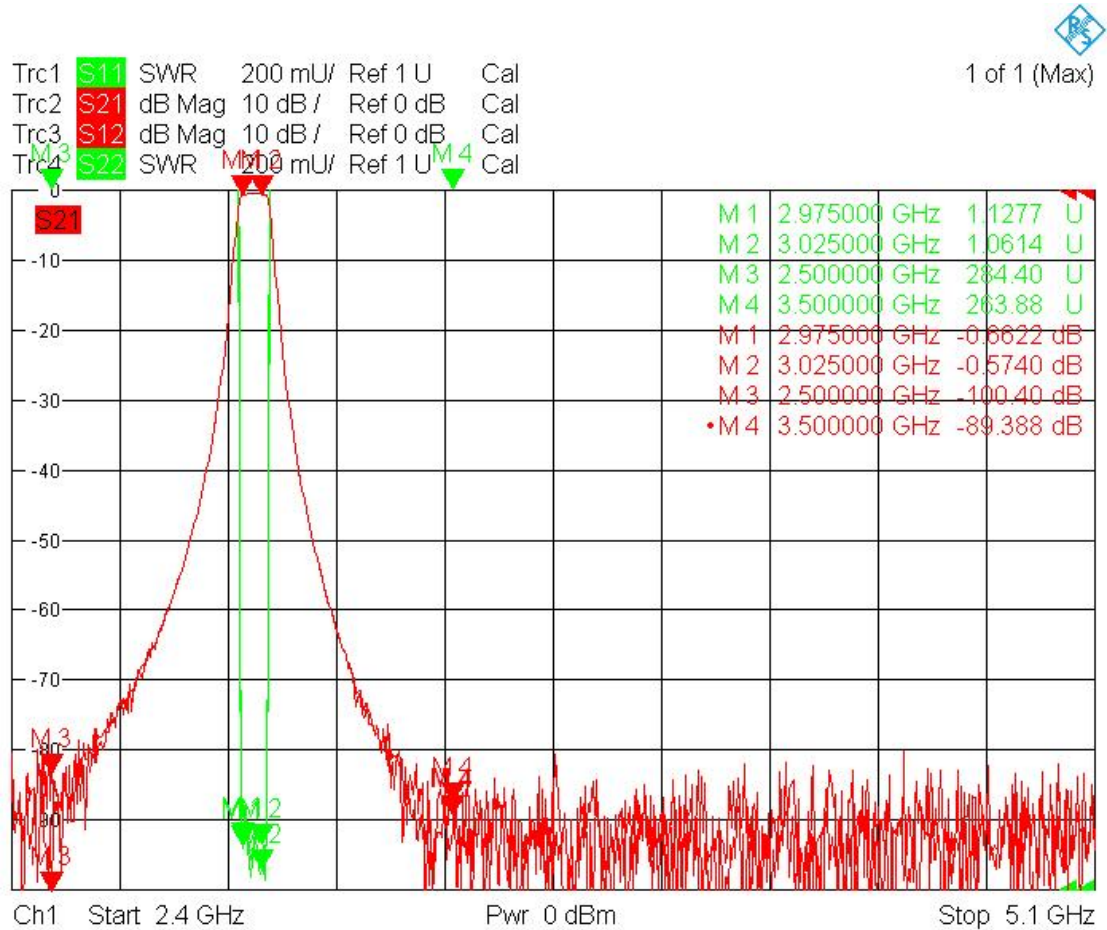


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-3G-50M-E2	Coaxial Band-pass Filter, Passband frequency range: 2.975-3.025GHz, fo Insertion Loss: 2.0dB, 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.