

Coaxial Band-pass Filter

2.99-3.01 GHz/SMA Female

Model: TLBF-3G-20M-E2

TLBF-3G-20M-E2 is a coaxial band-pass filter with a passband frequency from 2.99 to 3.01 GHz and a rejection frequencies from 2.93 GHz to 3.07GHz. The maximum insertion loss of the filter is 1.3 dB and the typical rejection is 30 dB.

Features:

- Passband Frequency Range 2.99 to 3.01 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

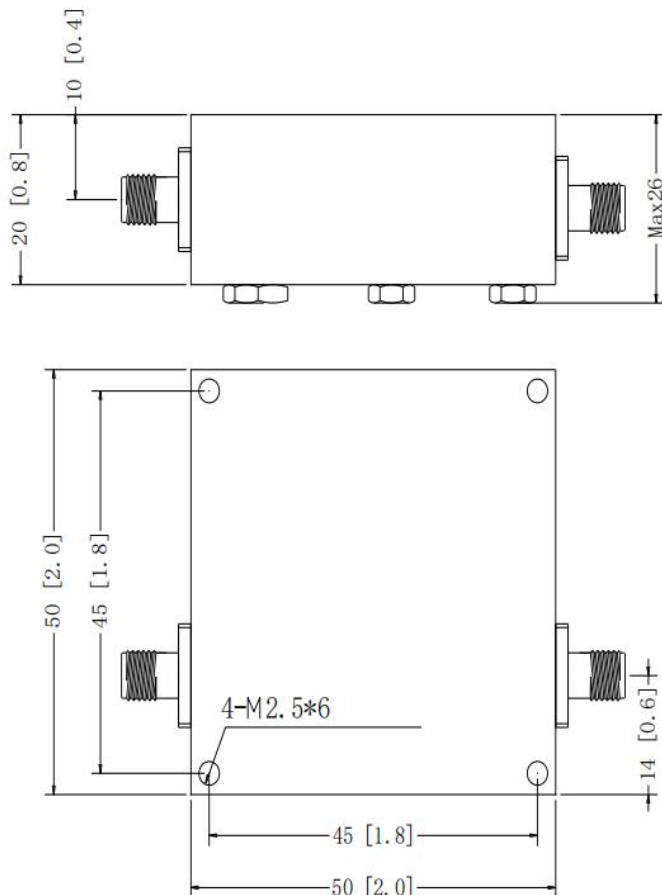
Parameter	Min	Typ	Max	Units
Passband Frequency range	2.99		3.01	GHz
Band Width			0.02	GHz
Insertion Loss(fo)			1.3	dB
Pass Band Ripple			1.0	dB
Rejection	>30dB@fo±70M			
Power Handling			10	W
VSWR			1.4	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

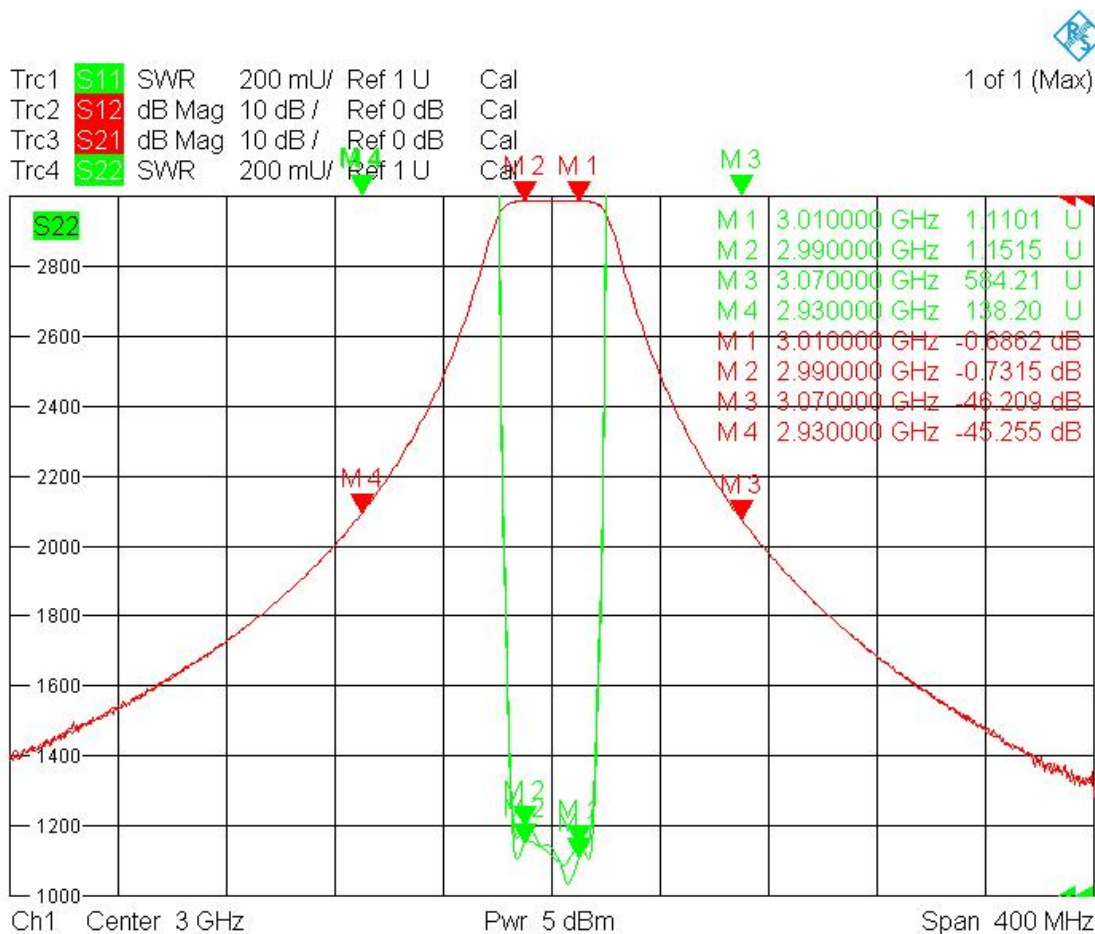


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-3G-20M-E2	Coaxial Band-pass Filter, Passband frequency range: 2.99-3.01GHz, Passband Insertion Loss: 1.3dB, 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.