

Coaxial Band-pass Filter

1.99-2.01 GHz/SMA Female

Model: TLBF-2G-20M-E

TLBF-2G-20M-E is a coaxial band-pass filter with a passband frequency from 1.99 to 2.01 GHz and a rejection frequencies from at $f_c \pm 50$ MHz. The maximum insertion loss of the filter is 1.8 dB and the minimum rejection is 40 dB.

Features:

- Passband Frequency Range 1.99 to 2.01 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

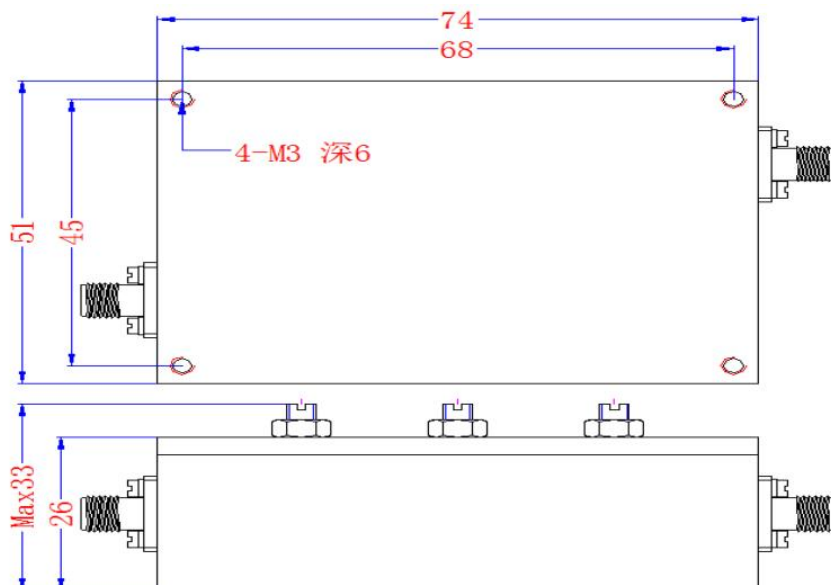
Parameter	Min	Typ	Max	Units
Passband Frequency range	1.99		2.01	GHz
Band Width			20	MHz
Passband Insertion Loss			1.8	dB
Pass Band Ripple			1.6	dB
VSWR			1.5	:1
Rejection@ $f_c \pm 50$ MHz	40			dB
Power Handling			50	W
Impedance	50			Ohms

Environmental And Physical Characteristics:

Description	Parameter	Units
Operating Temperature	-40 To +70	°C
Connectors	SMA Female	
Size	33*51*74	mm

Outline Drawing:

Unit:mm

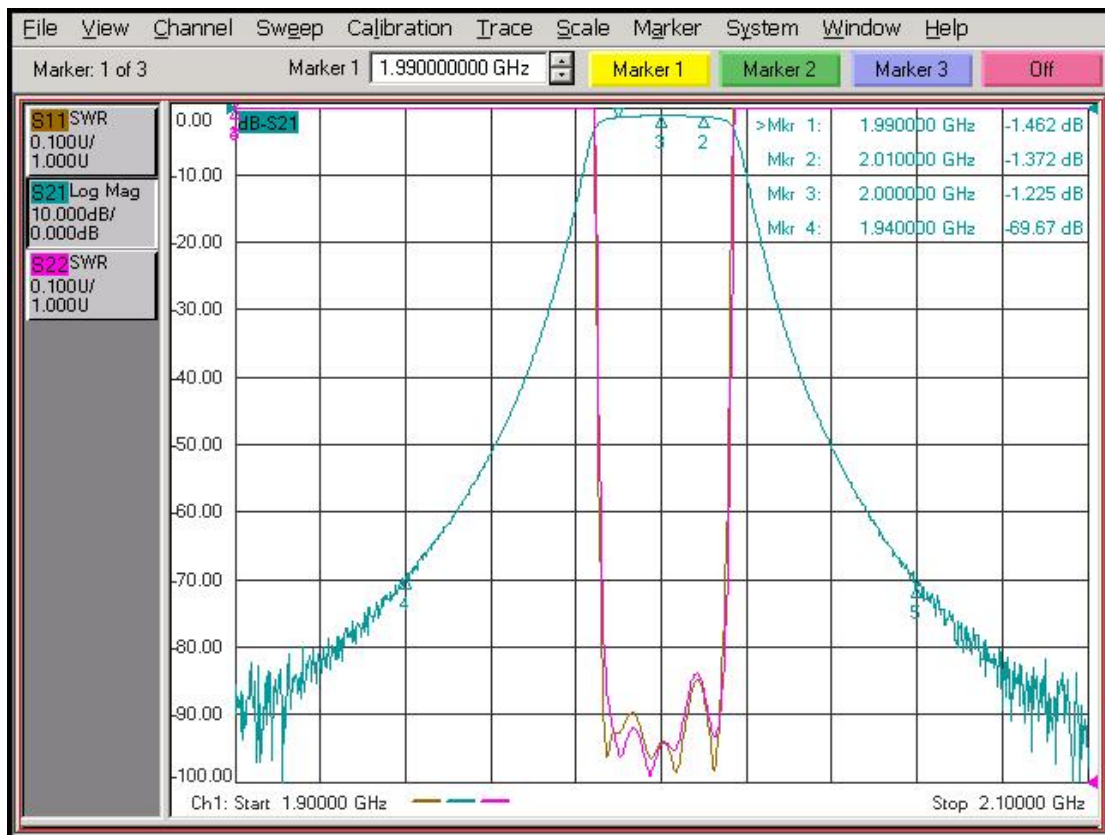


ESD Protection: Strictly
adhere to ESD precautions
to prevent electrostatic
damage.

Ordering Information:

Base Number	Description	Revision
TLBF-2G-20M-E	Coaxial Band-pass Filter, Passband frequency range: 1.99-2.01GHz, Passband Insertion Loss: 1.8dB, 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.