

Coaxial Band-pass Filter

17.75-18.25 GHz/SMA Female

Model: TLBF-18G-500M-E

TLBF-18G-500M-E is a coaxial band-pass filter with a passband frequency from 17.75 to 18.25 GHz and a rejection frequencies from 16.75 GHz to 19.25GHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 40 dB.

Features:

- Passband Frequency Range 17.75 to 18.25 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

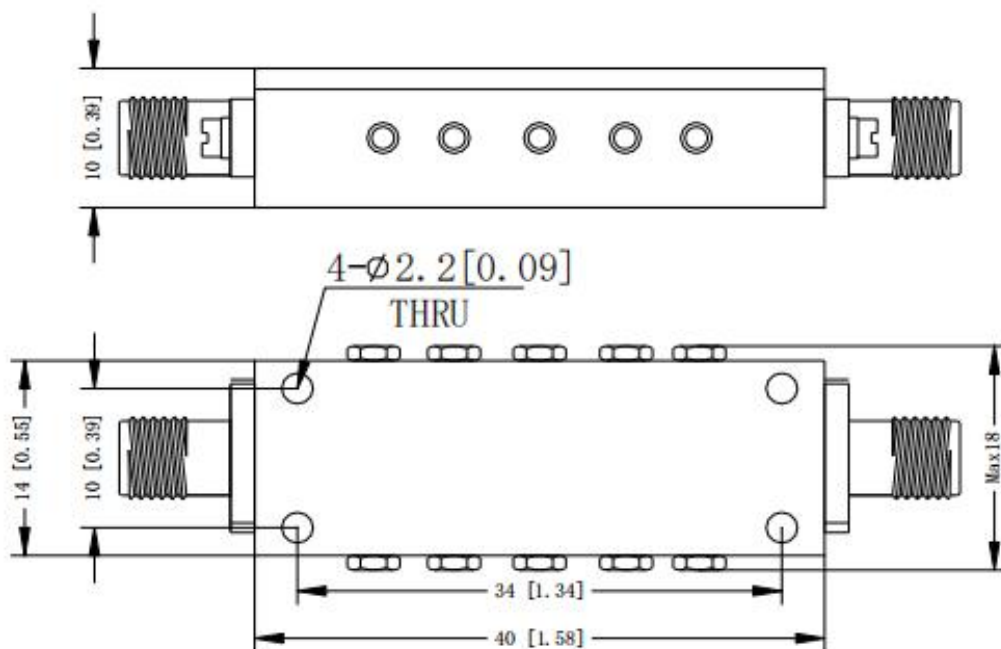
Parameter	Min	Typ	Max	Units
Passband Frequency range	17.75		18.25	GHz
Band Width			0.5	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.2	dB
Rejection	>40dB@fc±1000Mhz			dB
Power Handling			50	W
VSWR			1.6	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

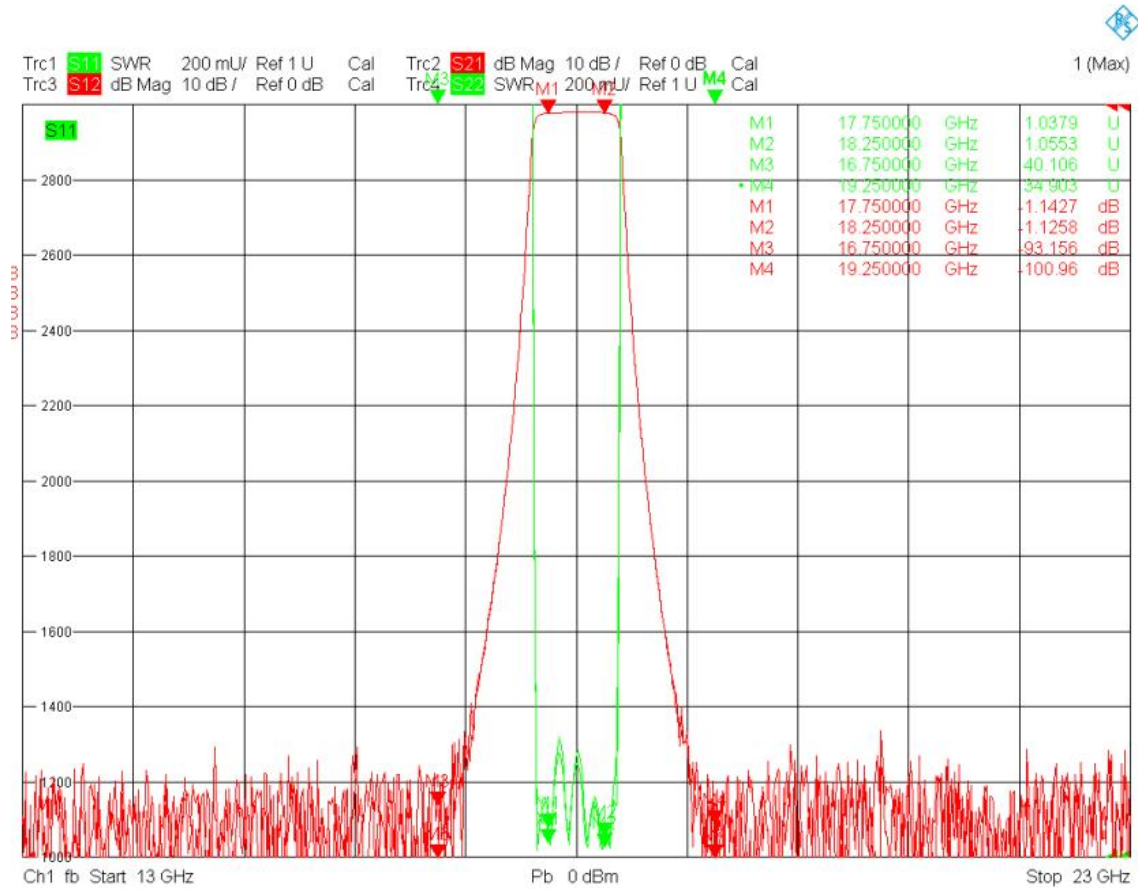


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-18G-500M-E	Coaxial Band-pass Filter, Passband frequency range: 17.75-18.25GHz, Passband Insertion Loss: 1.5dB, 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.