

Coaxial Band-pass Filter

4.5-5 GHz/SMA Female/SMA Male

Model: TLBF-4G75-500M-E

TLBF-4G75-500M-E is a coaxial band-pass filter with a passband frequency from 4.5 to 5 GHz and a rejection frequencies from DC-3.9 GHz and 5.4 GHz. The maximum insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

Features:

- Passband Frequency Range 4.5 to 5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

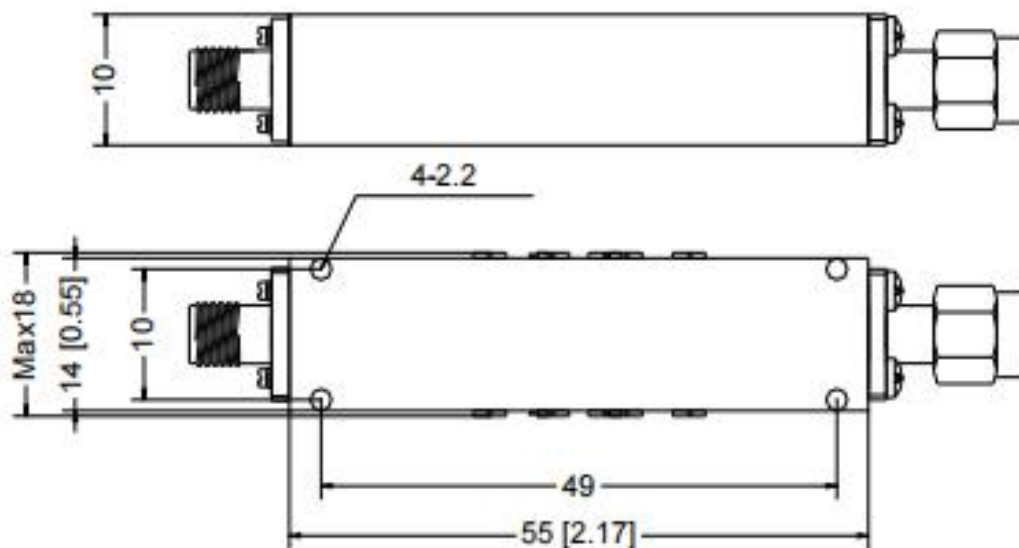
Parameter	Min	Typ	Max	Units
Passband Frequency range	4.5		5	GHz
Band Width			0.5	GHz
Passband Insertion Loss			1.2	dB
Pass band Ripple	0.4			dB
Group Delay Flatness	1.3			NS
Rejection	>70dB@DC-3.9Ghz 5.4Ghz			
Power Handling			15	W
VSWR			1.3	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

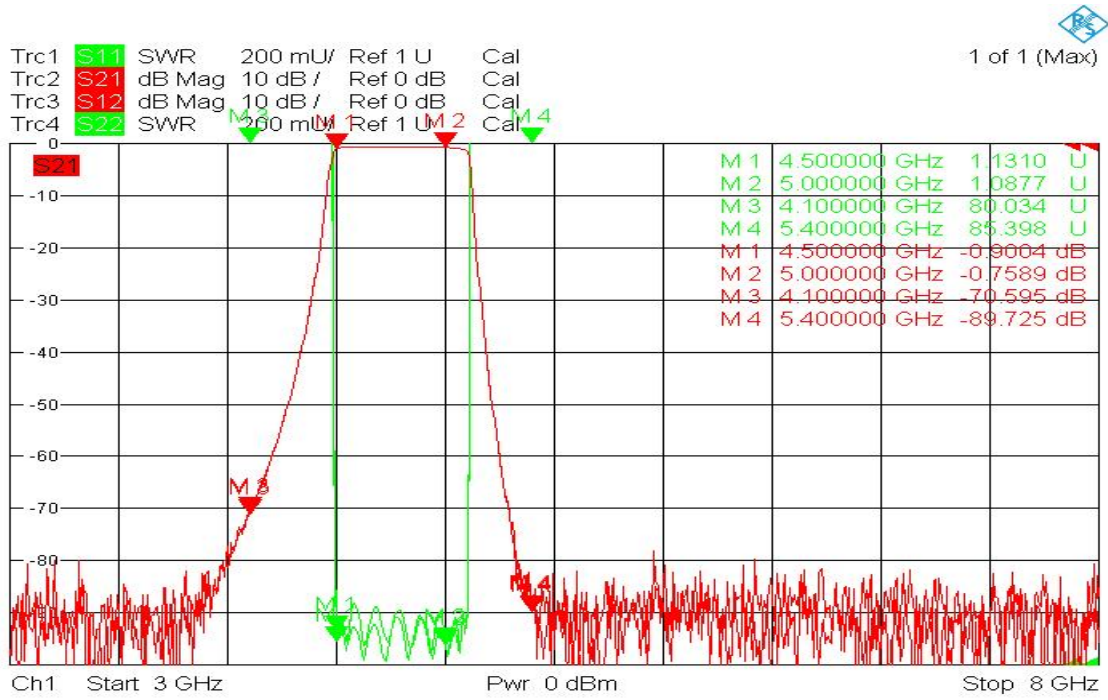


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-4G75-500M-E	Coaxial Band-pass Filter, Passband frequency range: 4.5-5GHz, Passband Insertion Loss: 1.2dB, SMA Female/SMA Male	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.