

Coaxial Band-pass Filter

Center Frequency 500 MHz/SMA Female

Model: TLBF-500M-10M-E

TLBF-500M-10M-E is a coaxial band-pass filter with a passband center frequency at 500 MHz and a rejection frequencies from DC to 470 MHz and point at 530 MHz . The maximum insertion loss of the filter is 2.0 dB and the minimum rejection is 60 dB.

Features:

- Passband Center Frequency 500 MHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

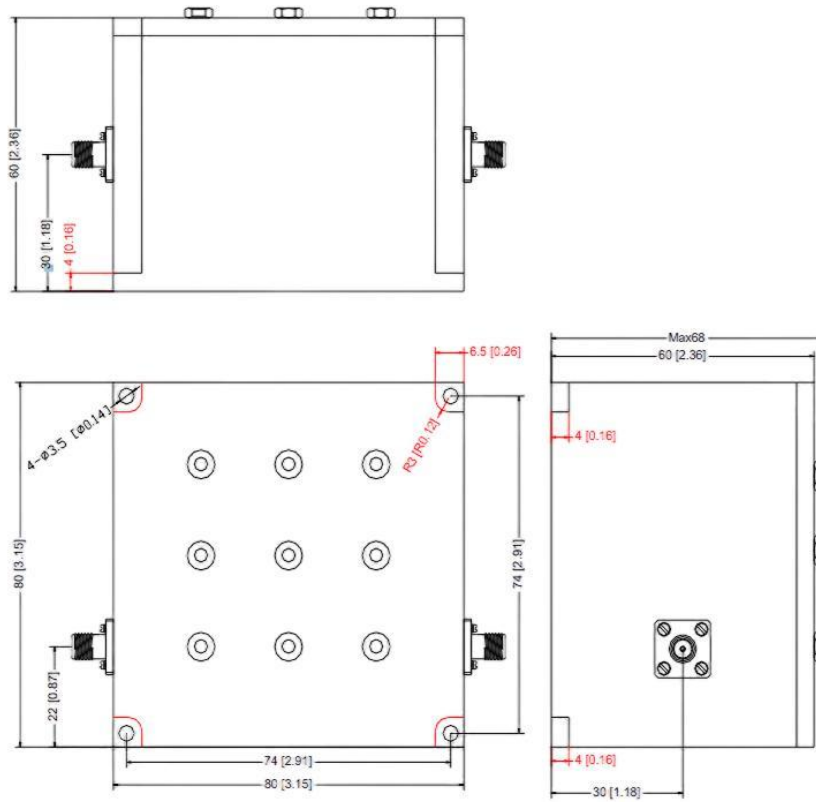
Parameter	Min	Typ	Max	Units
Passband Frequency range	495		505	MHz
Band Width			10	MHz
Passband Insertion Loss			2.0	dB
Pass Band Ripple		1.8		dB
VSWR			1.5	:1
Rejection@DC-470MHz&530MHz	60			dB
Power Handling			15	W
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-40 To +70	°C
Connectors	SMA Female	
Size	60*80*80	mm

Outline Drawing:

Unit:mm

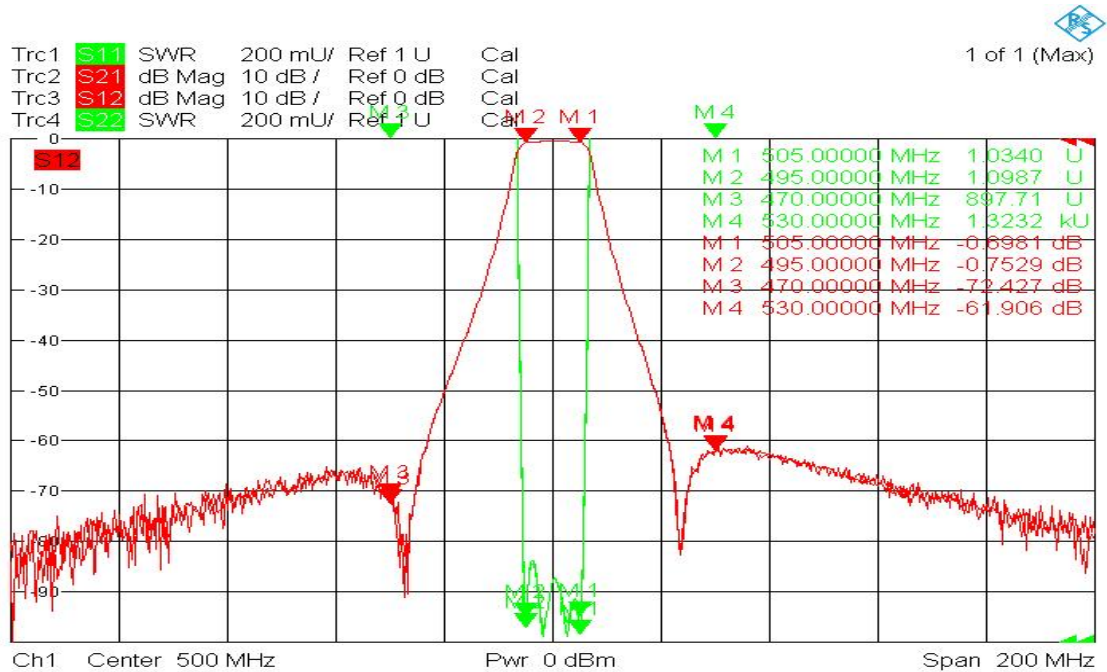


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-500M-10M-E	Coaxial Band-pass Filter, Passband center frequency: 500MHz, Passband 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.