

Coaxial Band-pass Filter

3-5.1GHz/ SMA Female

Model: TLBF-3000M-5100M-S

TLBF-3000M-5100M-S is a coaxial band-pass filter with a passband frequency from 3 to 5.1 GHz and a rejection frequencies from 7.2 to 10GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 55 dB.

Features:

- Passband Frequency Range 3 to 5.1GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

Electrical Characteristics:

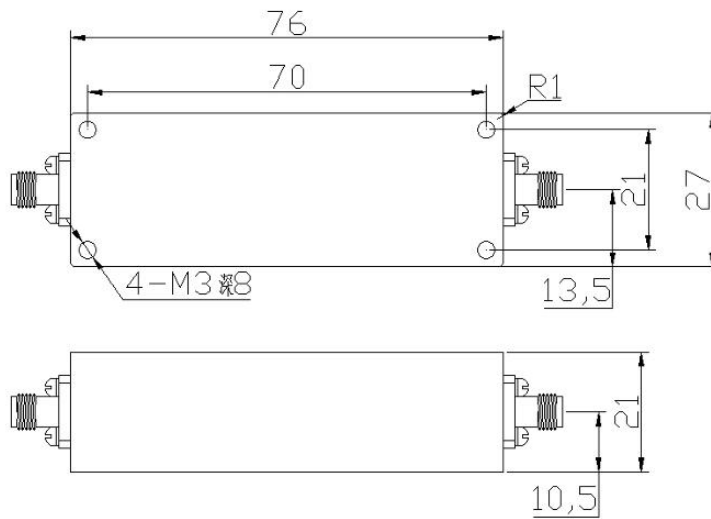
Parameter	Min	Typ	Max	Units
Passband Frequency range	3		5.1	GHz
Passband Insertion Loss			1.5	dB
Pass Band Ripple			1.0	dB
Rejection	≥55dB@7.2-10GHz			dB
Power Handling			50	W
VSWR			1.7	:1
Impedance	50			Ohms

Envrionmental And Physical Characteristics:

Description	Parameter	Units
Operating Temerature	-30 To +60	°C
Storage Temperature	-30 To +60	°C
Finish	Spray balck paint	
Connectors	SMA Female	

Outline Drawing:

Unit:mm;

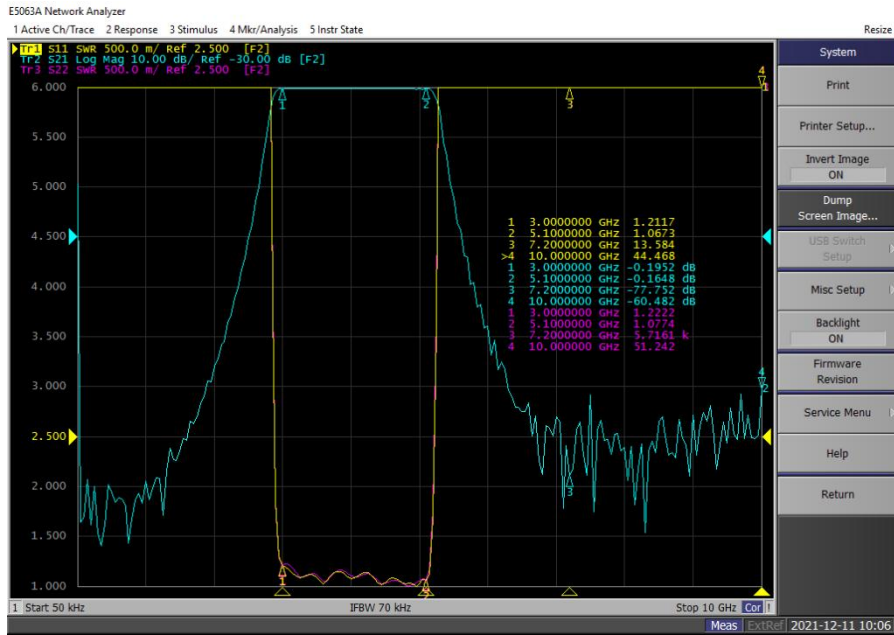


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TLBF-3000M-5100M-S	Coaxial Band-pass Filter, Passband frequency range: 3 to 5.1GHz, 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.