

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

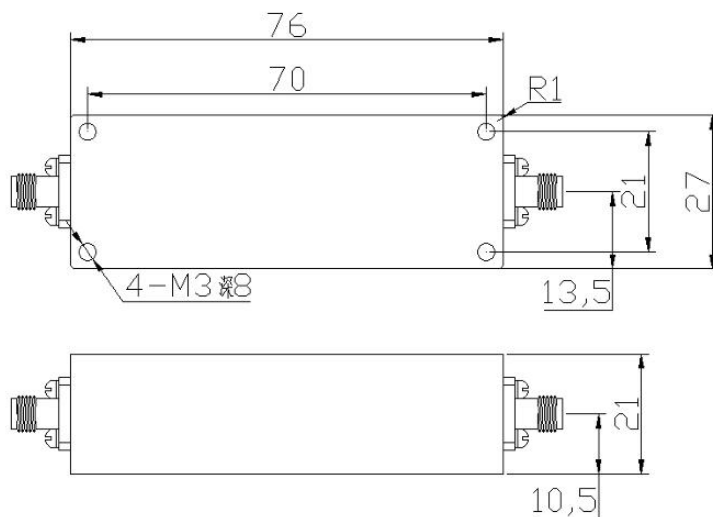
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	3		5.1	GHz
通带插损 Passband Insertion Loss			1.5	dB
带内纹波 Pass Band Ripple			1.0	dB
带外抑制 Rejection	≥55dB@7.2-10GHz			dB
耐受功率 Power Handling			50	W
驻波 VSWR			1.7	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envirionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-30 To +60	℃
存储温度 Storage Temerature	-30 To +60	℃
表面处理 Finish	Spray balck paint	
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm;

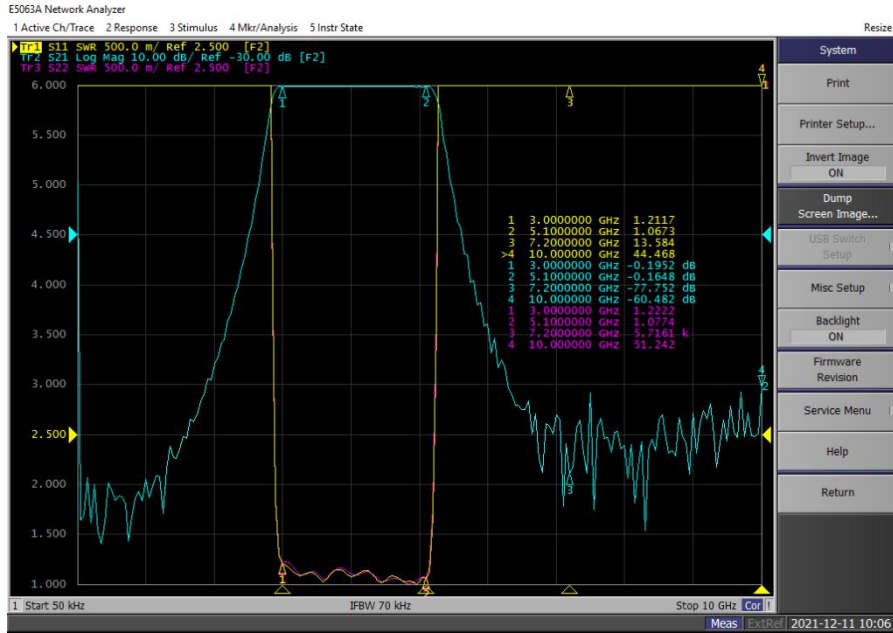


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 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

典型曲线 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.