

Coaxial Band-pass Filter

Center Frequency 1.53 GHz/SMA Female

Model: TLBF-1G53-10M-E

TLBF-1G53-10M-E is a coaxial band-pass filter with a passband center frequency at 1.53 GHz and a rejection frequencies at $f_c \pm 40$ MHz. The maximum insertion loss of the filter is 1.8 dB and the minimum rejection is 40 dB.

Features:

- Passband Center Frequency 1.53 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

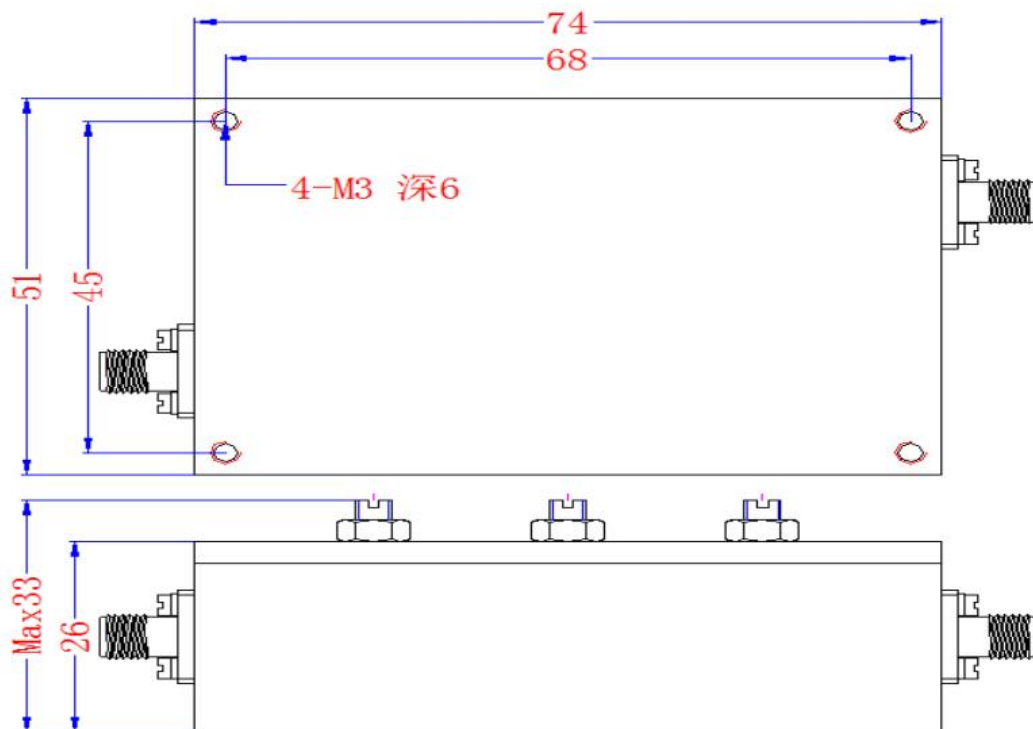
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	1.525		1.535	GHz
带宽 Band Width			10	MHz
通带插损 Passband Insertion Loss			1.8	dB
带内纹波 Pass Band Ripple			2	dB
驻波 VSWR			1.5	:1
带外抑制 Rejection@ $f_c \pm 40$ MHz	40			dB
耐受功率 Power Handling			5	W
阻抗 Impedance	50			Ohms

环境和机械特性 Environmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temperature	-40 To +70	°C
接口 Connectors	SMA Female	
尺寸 Size	26*51*74	mm

外形图 Outline Drawing: Unit:mm

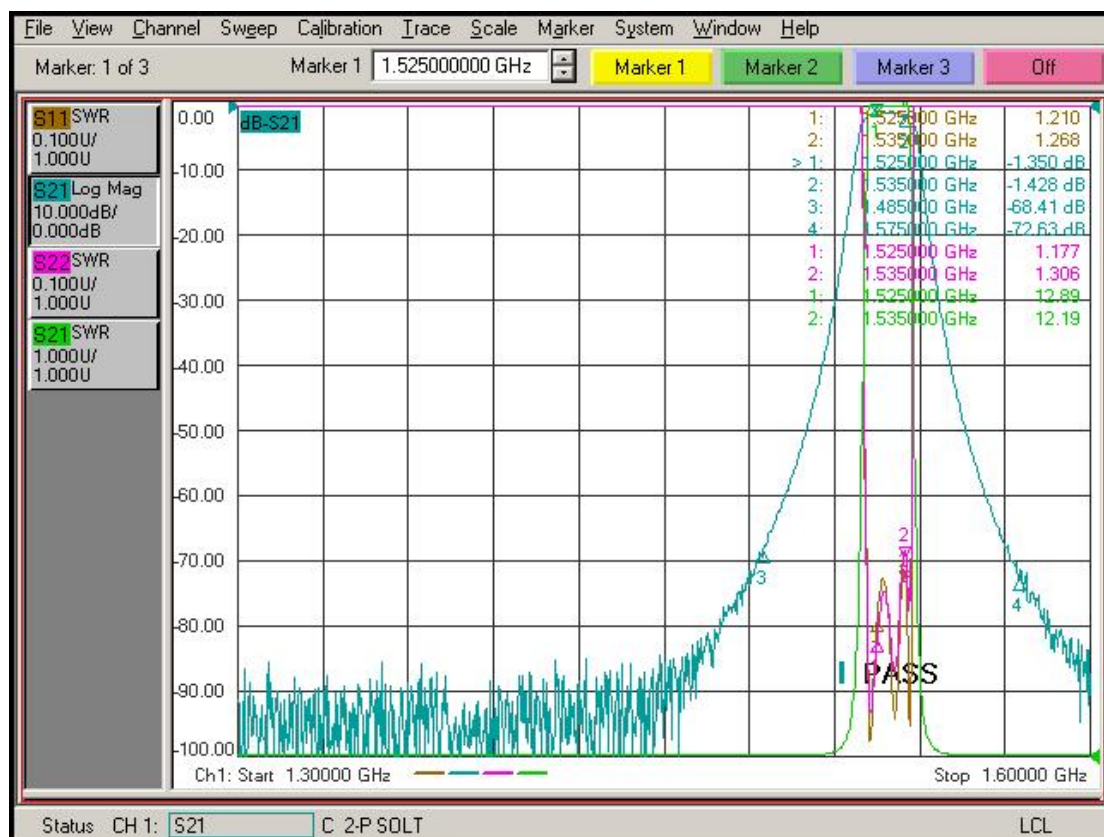


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-1G53-10M-E	Coaxial Band-pass Filter, Passband center frequency: 1.53GHz, Passband Insertion Loss: 1.8dB, 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.