

Coaxial Band-pass Filter

2-4 GHz/SMA Female

Model: TLBF-2G-4G-X

TLBF-2G-4G-X is a coaxial band-pass filter with a passband frequency from 2 to 4 GHz and a rejection frequencies from DC-1.6 GHz and 4.5-7GHz. The maximum insertion loss of the filter is 1.5 dB and the minimum rejection is 50 dB.

Features:

- Passband Frequency Range 2 to 4 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

电气特性 Electrical Characteristics:

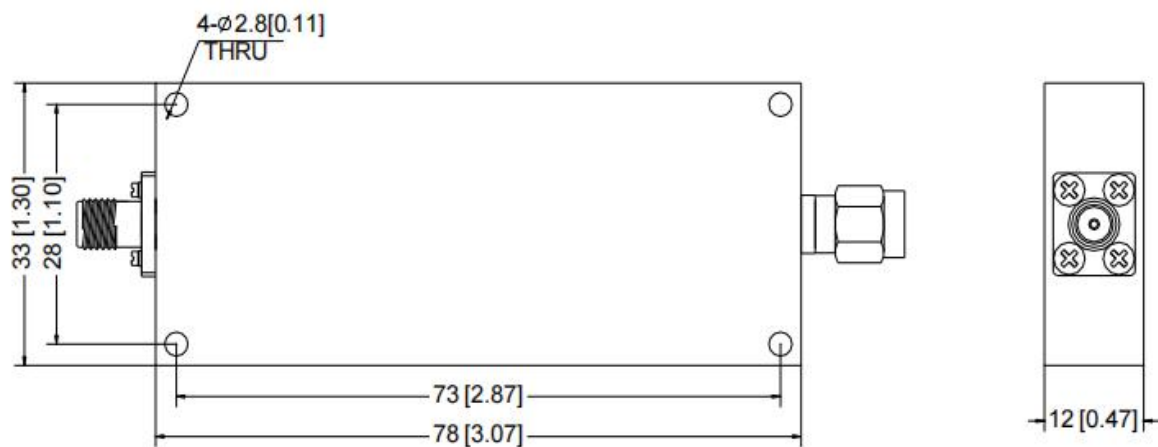
参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	2		4	GHz
带宽 Band Width			2	GHz
通带插损 Passband Insertion Loss			1.5	dB
带内波动 Pass band Ripple			1.0	dB
带外抑制 Rejection	>50dB@dc-1.6Ghz 4.5-7Ghz			
耐受功率 Power Handling			15	W
驻波 VSWR			1.6	:1
阻抗 Impedance	50			Ohms

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 Temperature	-40 To +70	°C
接口 Connectors	SMA Female	

外形图 Outline Drawing:

Unit:mm

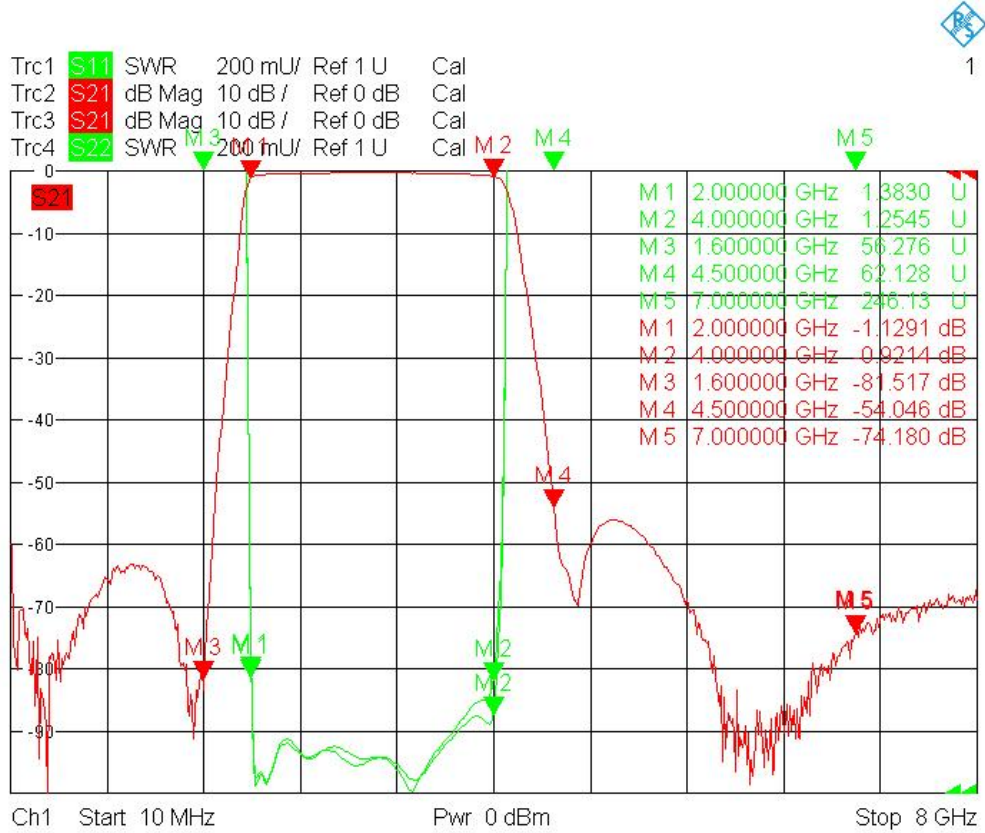


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-2G-4G-X	Coaxial Band-pass Filter, Passband frequency range: 2-4GHz, 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.