

Coaxial Band-pass Filter

Center Frequency 500 MHz/SMA Female

Model: TLBF-500M-10M-L

TLBF-500M-10M-L is a coaxial band-pass filter with a passband center frequency at 500 MHz and a rejection frequencies at $f_c \pm 50$ MHz . The maximum insertion loss of the filter is 3.5 dB and the minimum rejection is 40 dB.

Features:

- Passband Center Frequency 500 MHz
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

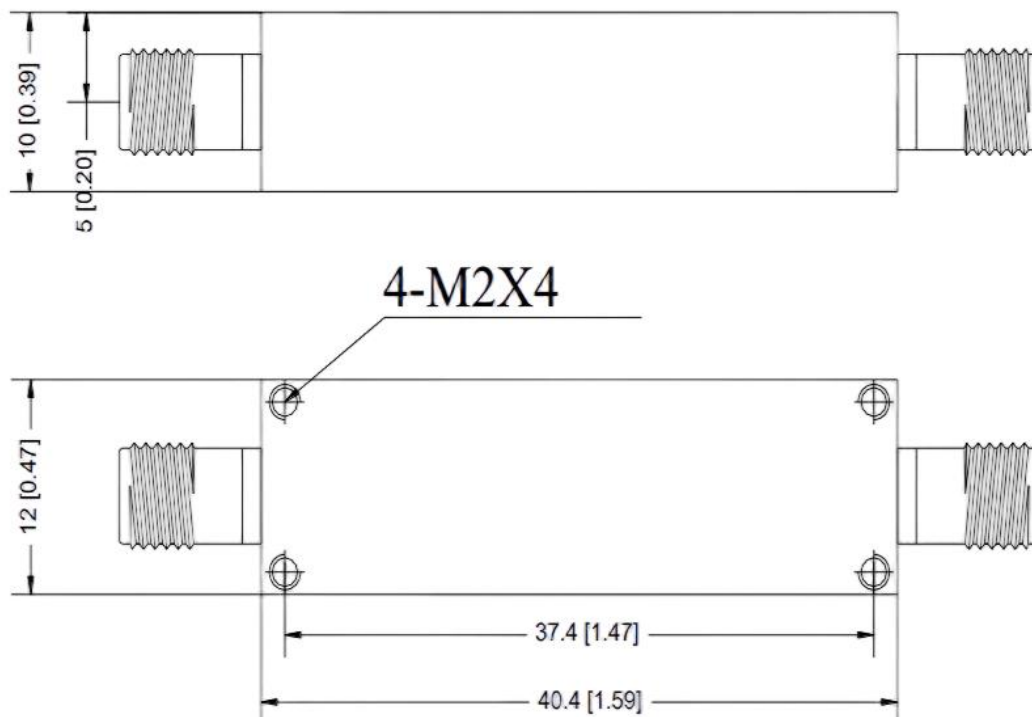
电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	495		505	MHz
带宽 Band Width			10	MHz
插损 Insertion Loss(f_0)			3.5	dB
带内纹波 Pass Band Ripple			3.2	dB
驻波 VSWR			1.6	:1
带外抑制 Rejection@ $f_c \pm 50$ MHz	40			dB
耐受功率 Power Handling			2	W
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	
尺寸 Size	10*12*40.4	mm

外形图 Outline Drawing: Unit:mm

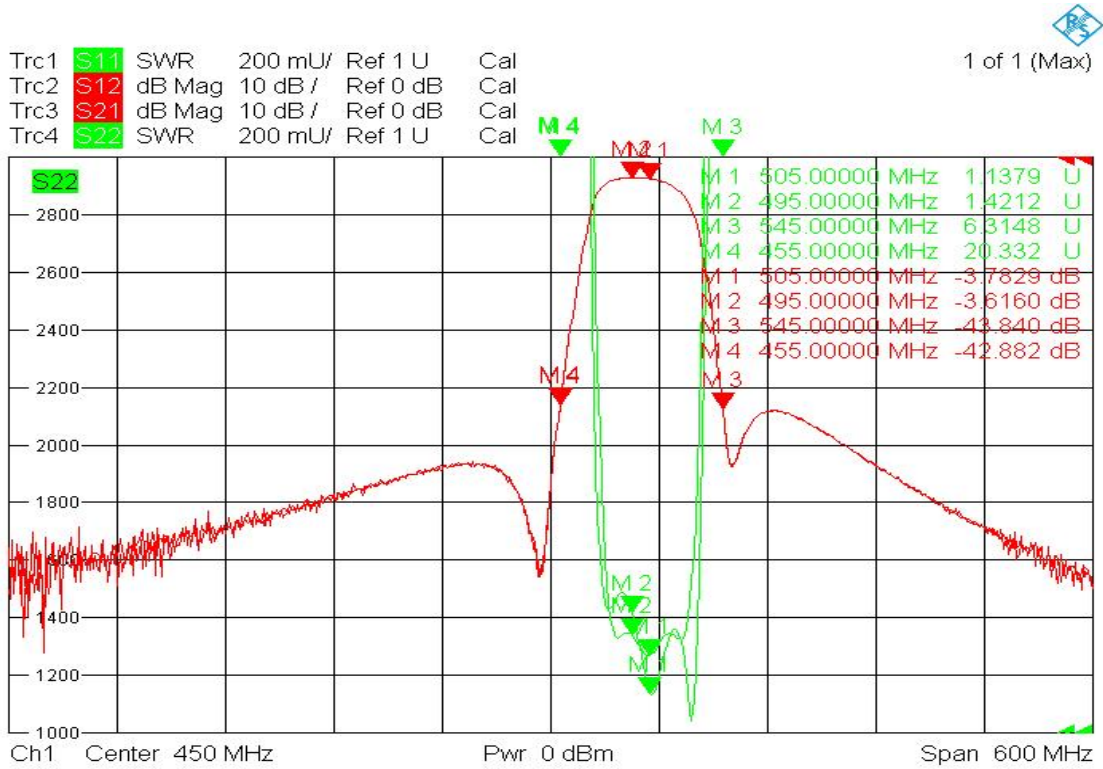


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-500M-10M-L	Coaxial Band-pass Filter, Passband center frequency: 500MHz, Insertion Loss(f0): 3.5dB, 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.