

Coaxial Band-pass Filter

Center Frequency 5 MHz/SMA Female

Model: TLBF-5M-3M-L

TLBF-5M-3M-L is a coaxial band-pass filter with a passband center frequency at 5 MHz and a rejection frequencies at $f_c \pm 35$ MHz . The maximum insertion loss of the filter is 4.5 dB and the minimum rejection is 60 dB.

Features:

- Passband Center Frequency 5 MHz
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

电气特性 Electrical Characteristics:

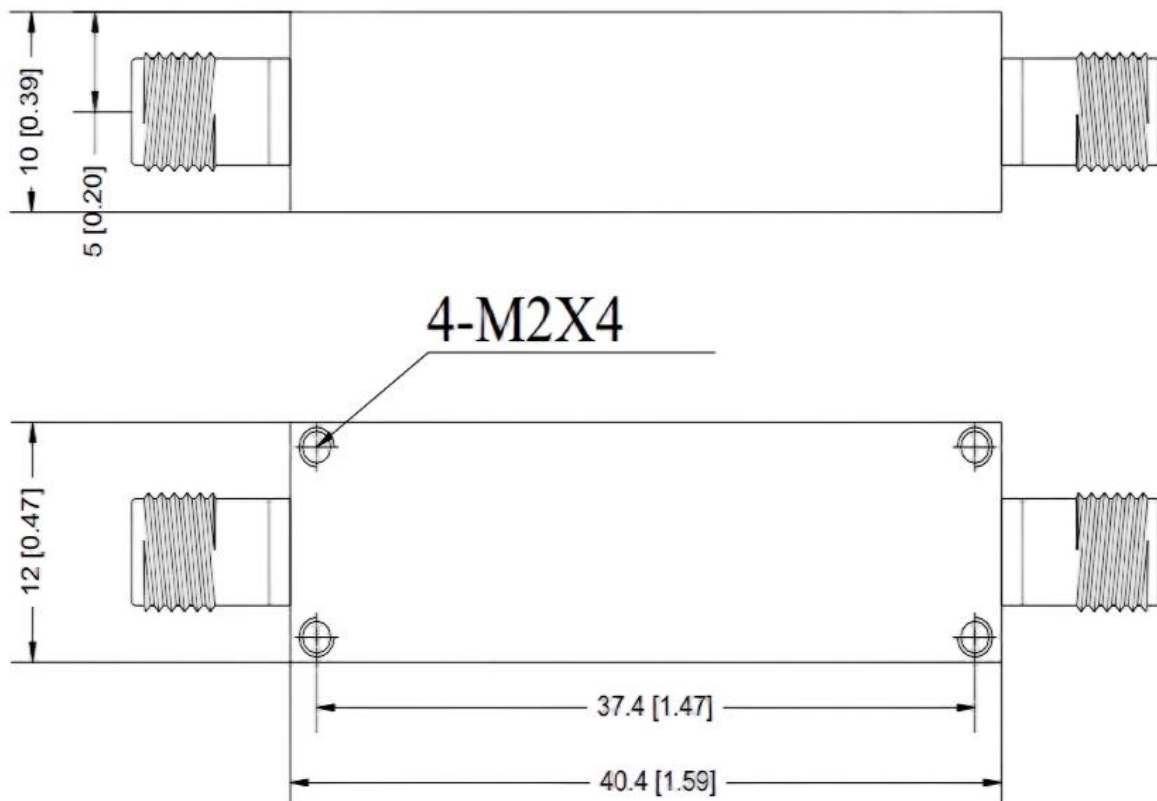
参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	3.5		6.5	MHz
带宽 Band Width			3	MHz
插损 Insertion Loss(f_0)			4.5	dB
带内纹波 Pass Band Ripple			4.2	dB
驻波 VSWR			1.6	:1
带外抑制 Rejection@ $f_c \pm 35$ MHz	60			dB
耐受功率 Power Handling			2	W
阻抗 Impedance	50			Ohms

环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-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-5M-3M-L	Coaxial Band-pass Filter, Passband center frequency: 5MHz, Insertion Los(f0)s: 4.5dB, 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.