

## Coaxial Band-pass Filter

### Center Frequency 150 MHz/SMA Female

### Model: TLBF-150M-7M5-L

TLBF-150M-7M5-L is a coaxial band-pass filter with a passband center frequency at 150 MHz and a rejection frequencies at  $f_c \pm 40$  MHz. The maximum insertion loss of the filter is 3.2 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Center Frequency 150 MHz
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

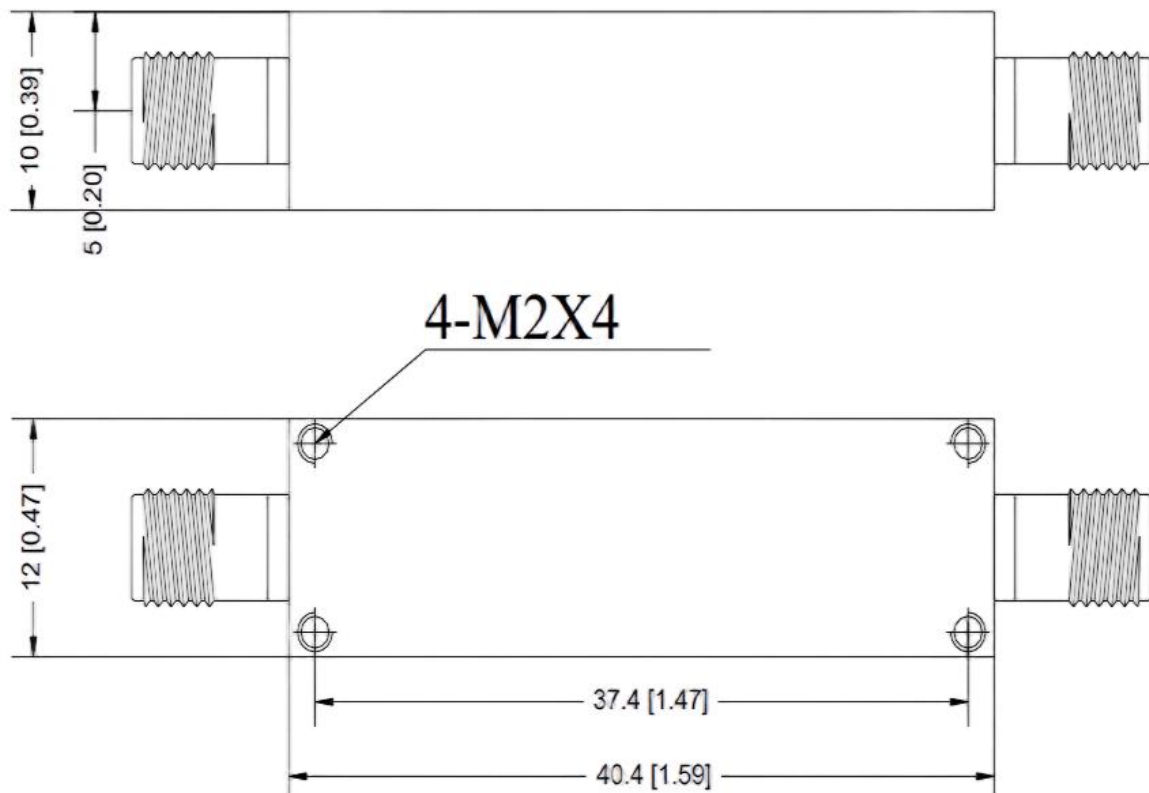
### 电气特性 Electrical Characteristics:

| 参数 Parameter                     | Min    | Typ | Max    | 单位 Units |
|----------------------------------|--------|-----|--------|----------|
| 通带频率范围 Passband Frequency range  | 146.25 |     | 153.75 | MHz      |
| 带宽 Band Width                    |        |     | 7.5    | MHz      |
| 插损 Insertion Loss( $f_0$ )       |        |     | 3.2    | dB       |
| 带内纹波 Pass Band Ripple            |        |     | 3.0    | dB       |
| 驻波 VSWR                          |        |     | 1.6    | :1       |
| 带外抑制 Rejection@ $f_c \pm 40$ 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

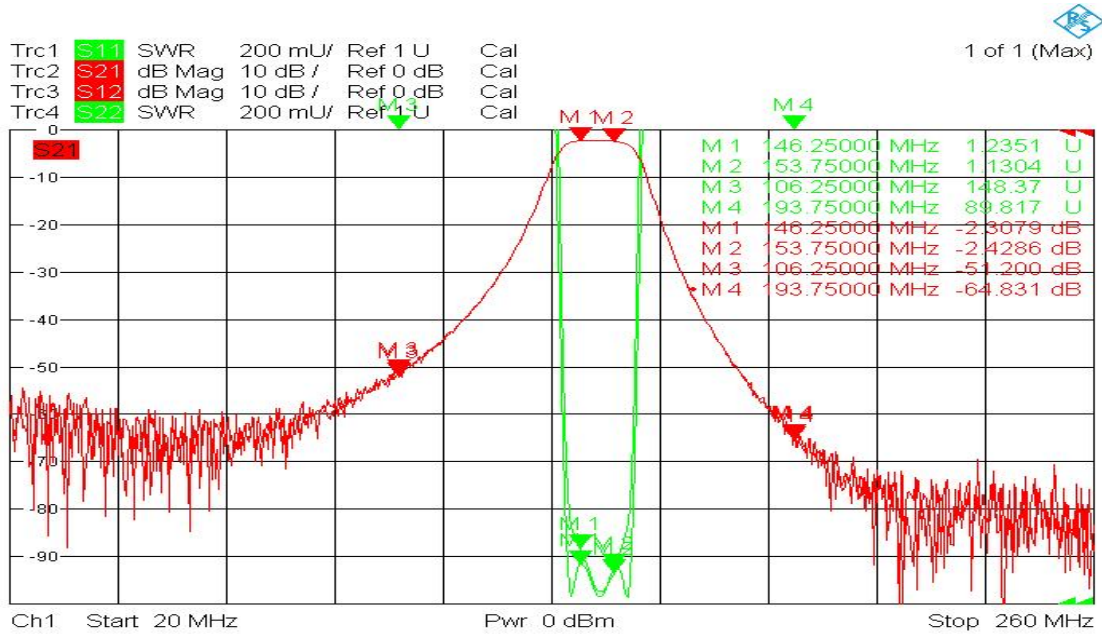


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                     | 版本号 Revision |
|------------------|----------------------------------------------------------------------------------------------------|--------------|
| TLBF-150M-7M5-L  | Coaxial Band-pass Filter, Passband center frequency: 150MHz, Insertion Loss(f0): 3.2dB, 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.