

## Coaxial Band-pass Filter

### Center Frequency 750 MHz/SMA Female

**Model: TLBF-750M-5M-L**

TLBF-750M-5M-L is a coaxial band-pass filter with a passband center frequency at 750 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 750 MHz
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

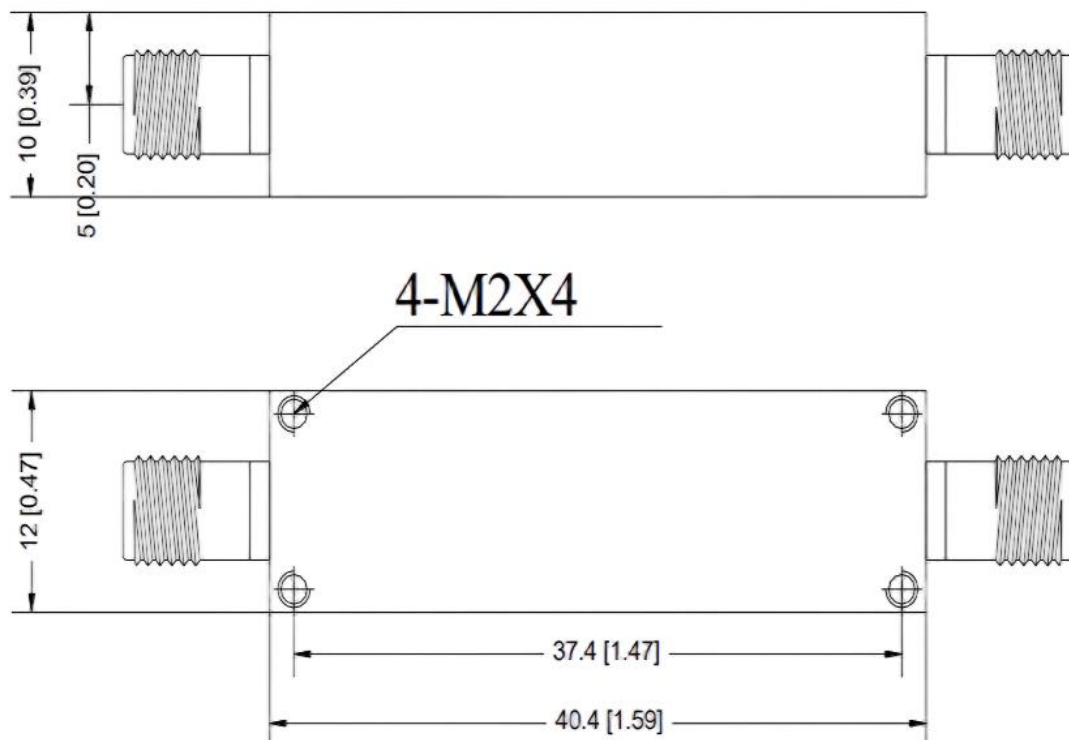
### 电气特性 Electrical Characteristics:

| 参数 Parameter                     | Min   | Typ | Max   | 单位 Units |
|----------------------------------|-------|-----|-------|----------|
| 通带频率范围 Passband Frequency range  | 747.5 |     | 752.5 | MHz      |
| 带宽 Band Width                    |       |     | 5     | MHz      |
| 通带插损 Passband Insertion Loss     |       |     | 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

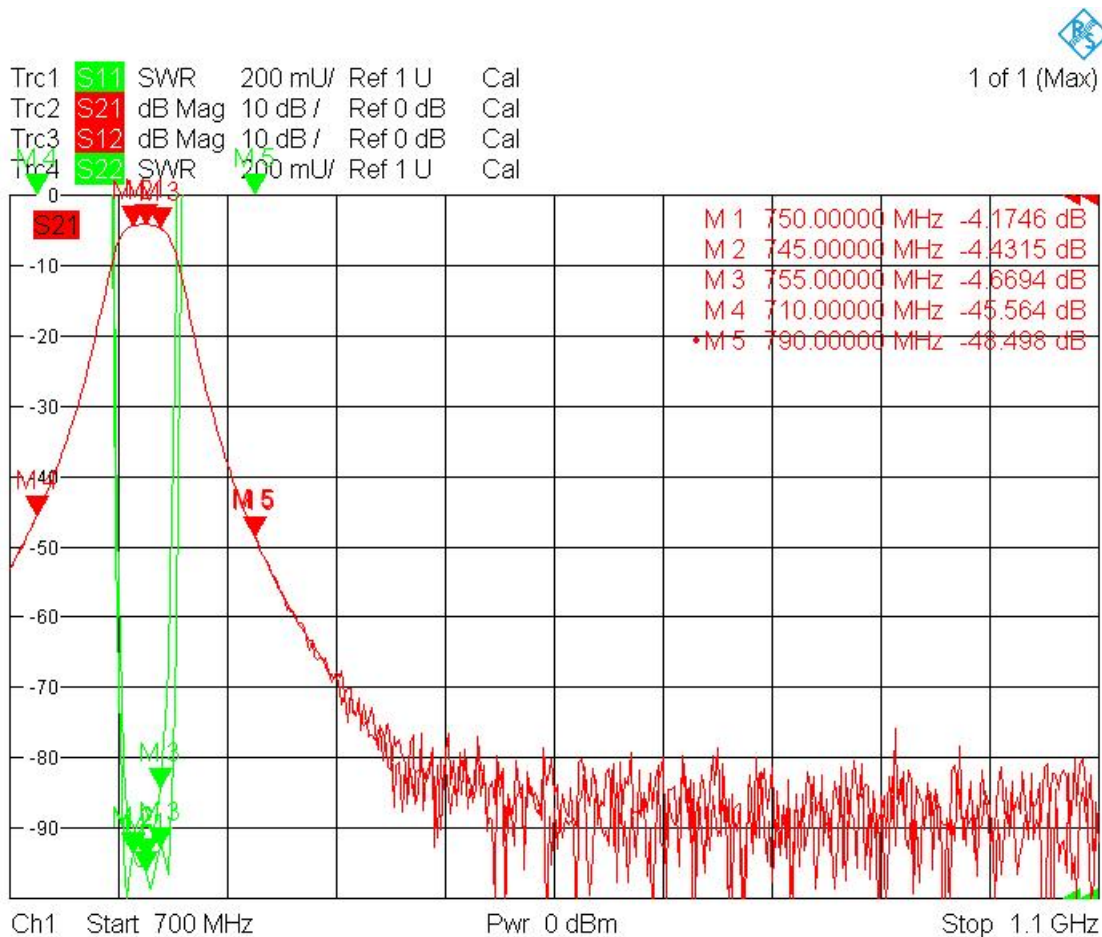


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                          | 版本号 Revision |
|------------------|---------------------------------------------------------------------------------------------------------|--------------|
| TLBF-750M-5M-L   | Coaxial Band-pass Filter, Passband center frequency: 750MHz, Passband Insertion Loss: 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.