

## Coaxial Band-pass Filter

### 700-1000 MHz/SMA Female

**Model: TLBF-700M-1G-L**

TLBF-700M-1G-L is a coaxial band-pass filter with a passband frequency from 700 to 1000 MHz and a rejection frequencies at  $f_0 \pm 280$  MHz. The maximum insertion loss of the filter is 3.0 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Frequency Range 700 to 1000 MHz
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

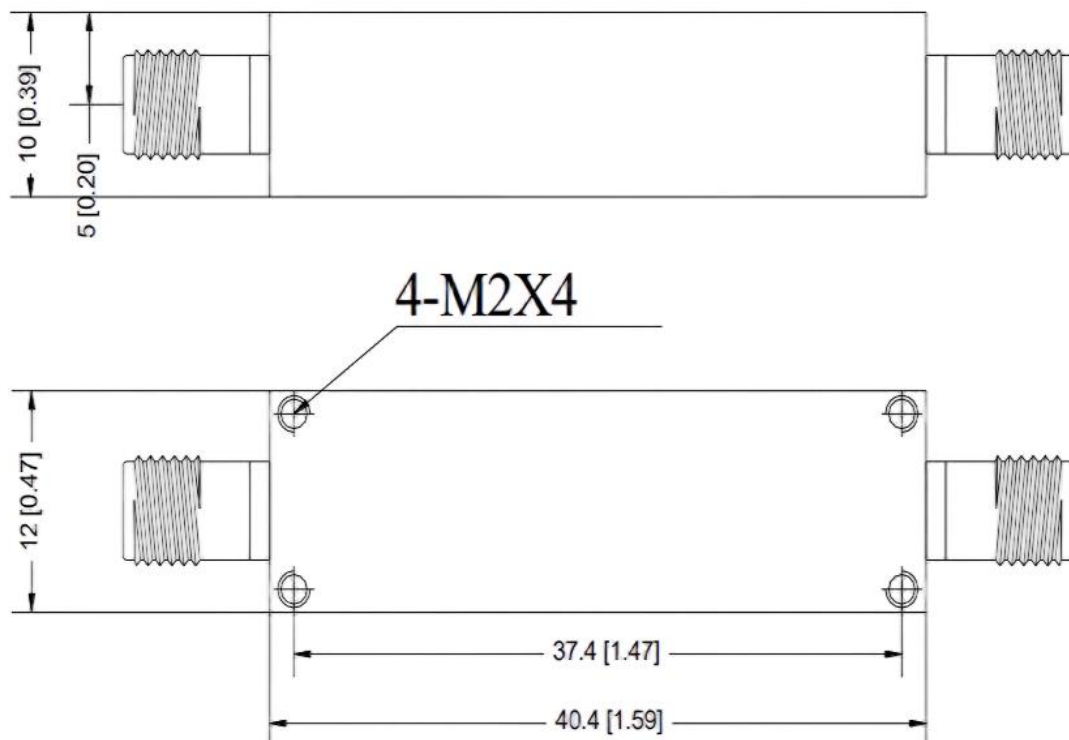
### 电气特性 Electrical Characteristics:

| 参数 Parameter                      | Min | Typ | Max  | 单位 Units |
|-----------------------------------|-----|-----|------|----------|
| 通带频率范围 Passband Frequency range   | 700 |     | 1000 | MHz      |
| 带宽 Band Width                     |     |     | 300  | MHz      |
| 通带插损 Passband Insertion Loss      |     |     | 3.0  | dB       |
| 带内纹波 Pass Band Ripple             |     |     | 2.8  | dB       |
| 驻波 VSWR                           |     |     | 1.6  | :1       |
| 带外抑制 Rejection@ $f_0 \pm 280$ 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

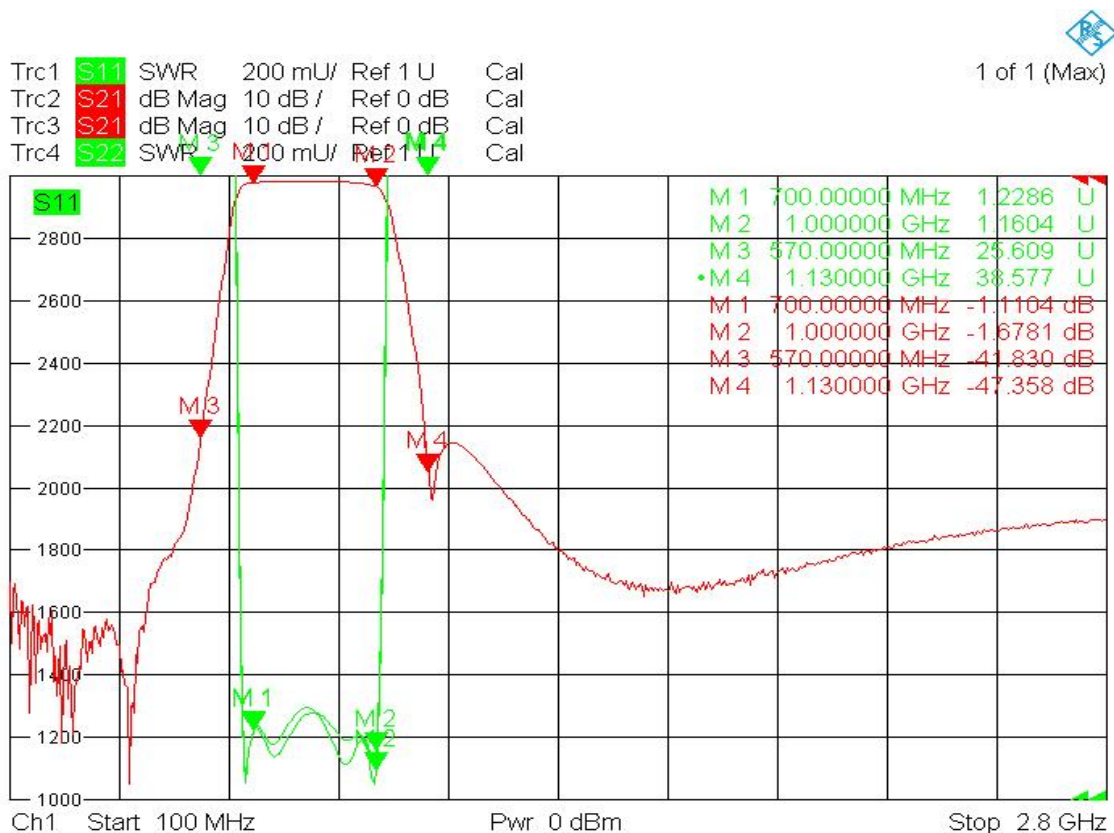


ESD Protection: Strictly  
adhere to ESD precautions  
to prevent electrostatic  
damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                              | 版本号 Revision |
|------------------|-------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-700M-1G-L   | Coaxial Band-pass Filter, Passband frequency range: 700-1000MHz, Passband Insertion Loss: 3.0dB, 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.