

## Coaxial Band-pass Filter

1.25-1.75 GHz/SMA Female

Model: TLBF-1G5-500M-L2

TLBF-1G5-500M-L2 is a coaxial band-pass filter with a passband frequency from 1.25 to 1.75 GHz and a rejection frequencies at  $f_c \pm 260$  MHz. The maximum insertion loss of the filter is 2.6 dB and the minimum rejection is 40 dB.

### Features:

- Passband Frequency Range 1.25 to 1.75 GHz
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

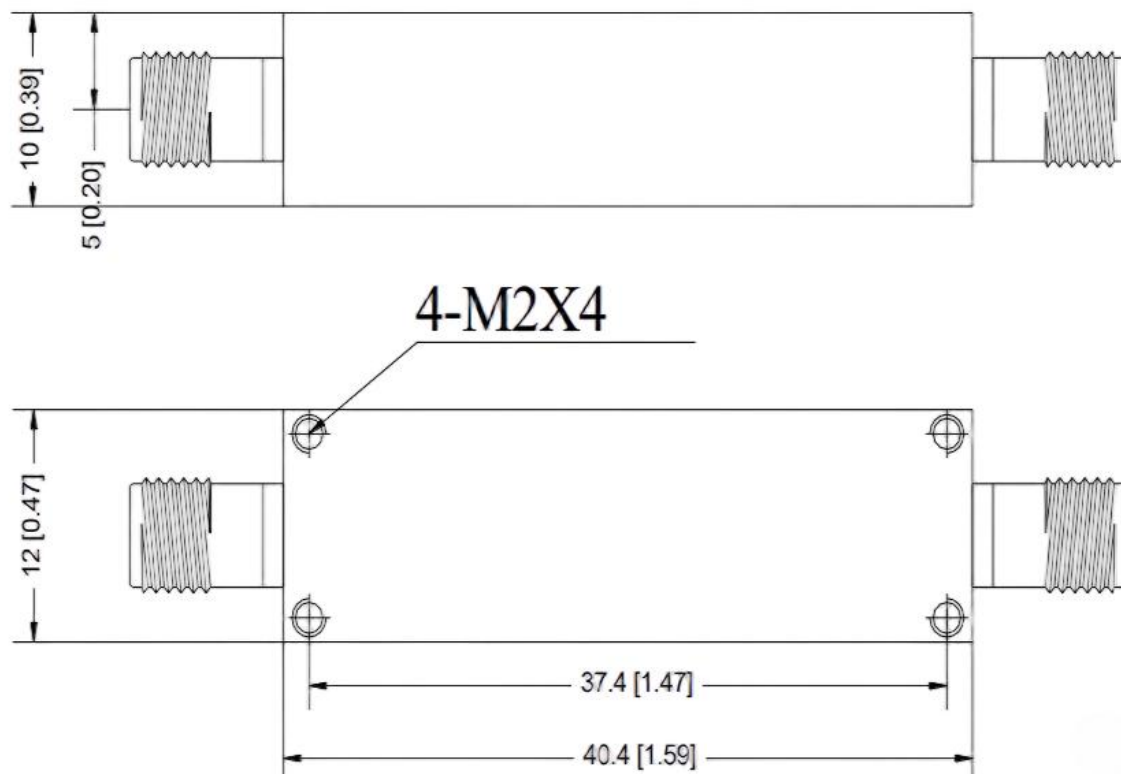
### 电气特性 Electrical Characteristics:

| 参数 Parameter                      | Min  | Typ | Max  | 单位 Units |
|-----------------------------------|------|-----|------|----------|
| 通带频率范围 Passband Frequency range   | 1.25 |     | 1.75 | GHz      |
| 带宽 Band Width                     |      |     | 500  | MHz      |
| 通带插损 Passband Insertion Loss      |      |     | 2.6  | dB       |
| 带内纹波 Pass Band Ripple             |      |     | 2.4  | dB       |
| 驻波 VSWR                           |      |     | 1.6  | :1       |
| 带外抑制 Rejection@ $f_c \pm 260$ 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

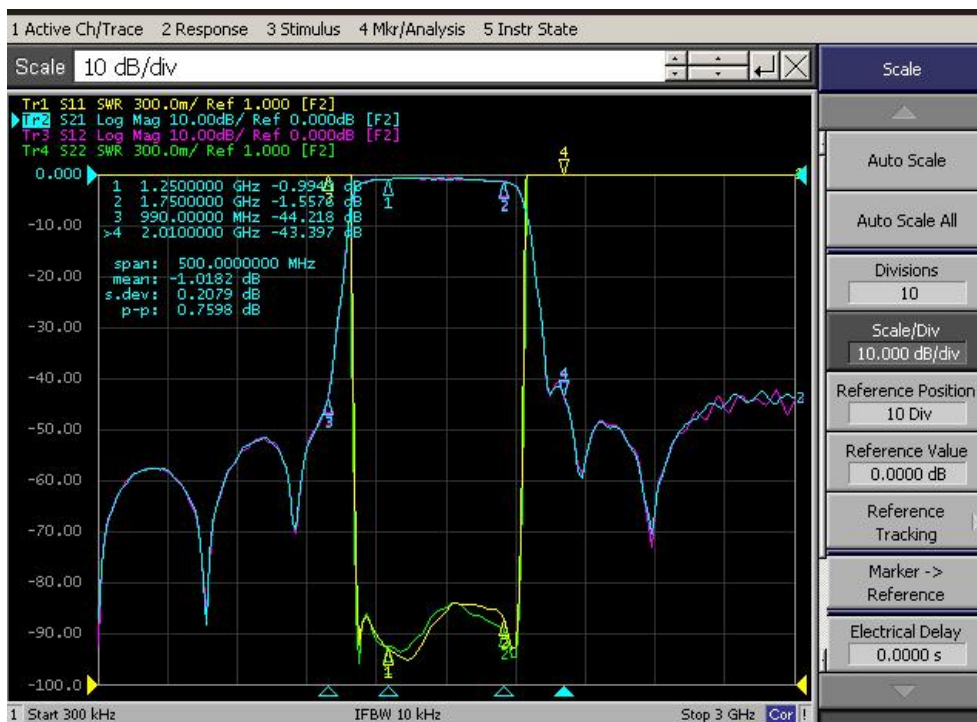


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                               | 版本号 Revision |
|------------------|--------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-1G5-500M-L2 | Coaxial Band-pass Filter, Passband frequency range: 1.25-1.75GHz, Passband Insertion Loss: 2.6dB, 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.