

## Coaxial Band-pass Filter

3.41-3.71GHz/ SMA Female

Model: TLBF-3G56-300M-E

TLBF-3G56-300M-E is a coaxial band-pass filter with a passband frequency from 3.41 to 3.71 GHz and a rejection frequencies at 2.96 GHz and 4.16 GHz. The nominal insertion loss of the filter is 1.8 dB and the typical rejection is 50 dB.

### Features:

- Passband Frequency Range: 3.41 to 3.71GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

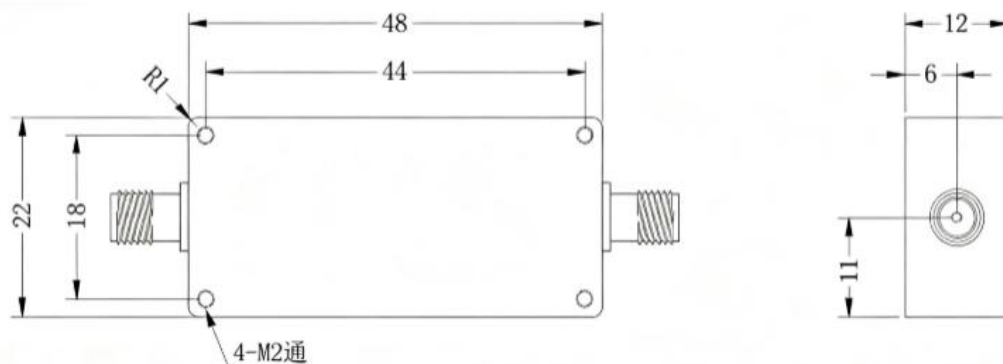
## 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min             | Typ | Max  | 单位 Units |
|---------------------------------|-----------------|-----|------|----------|
| 通带频率范围 Passband Frequency range | 3.41            |     | 3.71 | GHz      |
| 通带插损 Passband Insertion Loss    |                 |     | 1.8  | dB       |
| 带内纹波 Pass Band Ripple           |                 |     | 1.0  | dB       |
| 带外抑制 Rejection                  | >50dB@fc±450MHz |     |      | dB       |
| 耐受功率 Power Handling             |                 |     | 50   | W        |
| 输入驻波 Input VSWR                 |                 |     | 1.6  | :1       |
| 输出驻波 Output VSWR                |                 |     | 1.6  | :1       |
| 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   | ℃        |
| 存储温度 Storage Temperature   | -40 to +70   | ℃        |
| 接口 Connectors              | SMA Female   |          |

外形图 Outline Drawing: Unit:mm;

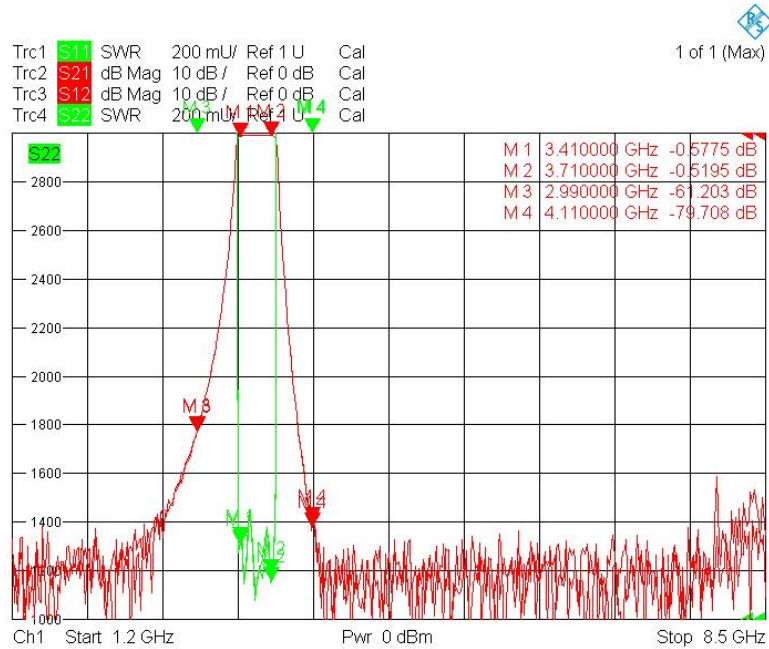


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                                   | 版本号 Revision |
|------------------|------------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-3G56-300M-E | Coaxial Band-pass Filter, Passband frequency range: 3.41 to 3.71 GHz, Passband Insertion Loss: 1.8dB, 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.