

## Coaxial Band-pass Filter

### 5.15-5.35GHz/SMA Female

Model: TLBF-5G52-200M-E

TLBF-5G25-200M-E is a coaxial band-pass filter with a passband frequency from 5.15 to 5.35 GHz and a rejection frequencies from 4.91 GHz to 5.59 GHz. The maximum insertion loss of the filter is 1.8 dB and the typical rejection is 50 dB.

#### Features:

- Passband Frequency Range 5.15 to 5.35 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

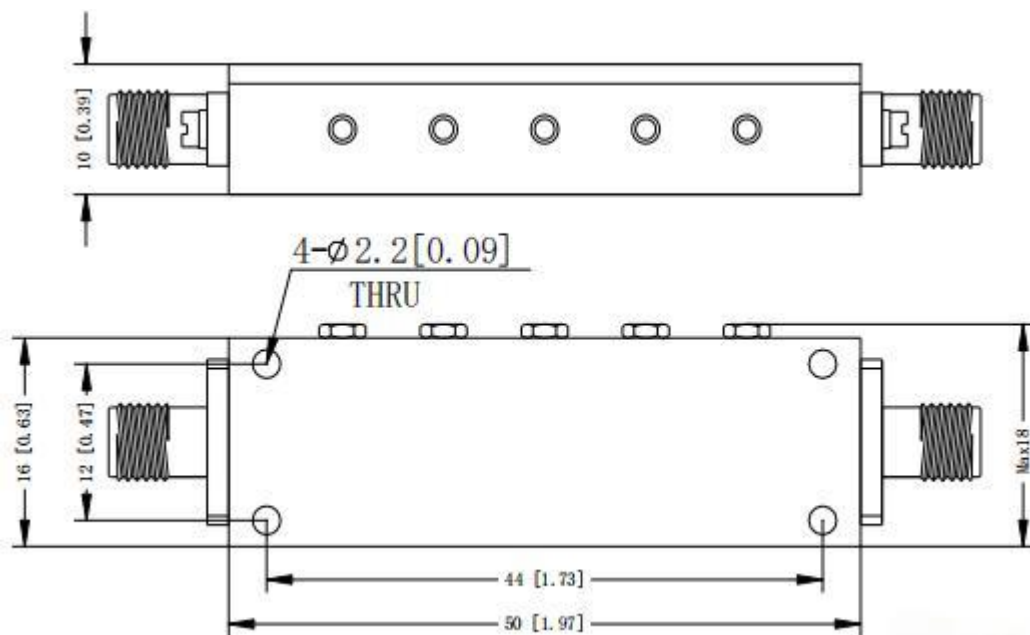
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min              | Typ | Max  | 单位 Units |
|---------------------------------|------------------|-----|------|----------|
| 通带频率范围 Passband Frequency range | 5.15             |     | 5.35 | GHz      |
| 带宽 Band Width                   |                  |     | 0.2  | GHz      |
| 带通插损 Passband Insertion Loss    |                  |     | 1.8  | dB       |
| 带内波动 Pass Band Ripple           |                  |     | 1.6  | dB       |
| 带外抑制 Rejection                  | >50dB@F0+-340Mhz |     |      | dB       |
| 耐受功率 Power Handling             |                  |     | 15   | W        |
| 驻波 VSWR                         |                  |     | 1.5  | :1       |
| 阻抗 Impedance                    | 50               |     |      | Ohms     |

### 环境和机械特性 Environmental 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   |          |

外形图 Outline Drawing: Unit:mm

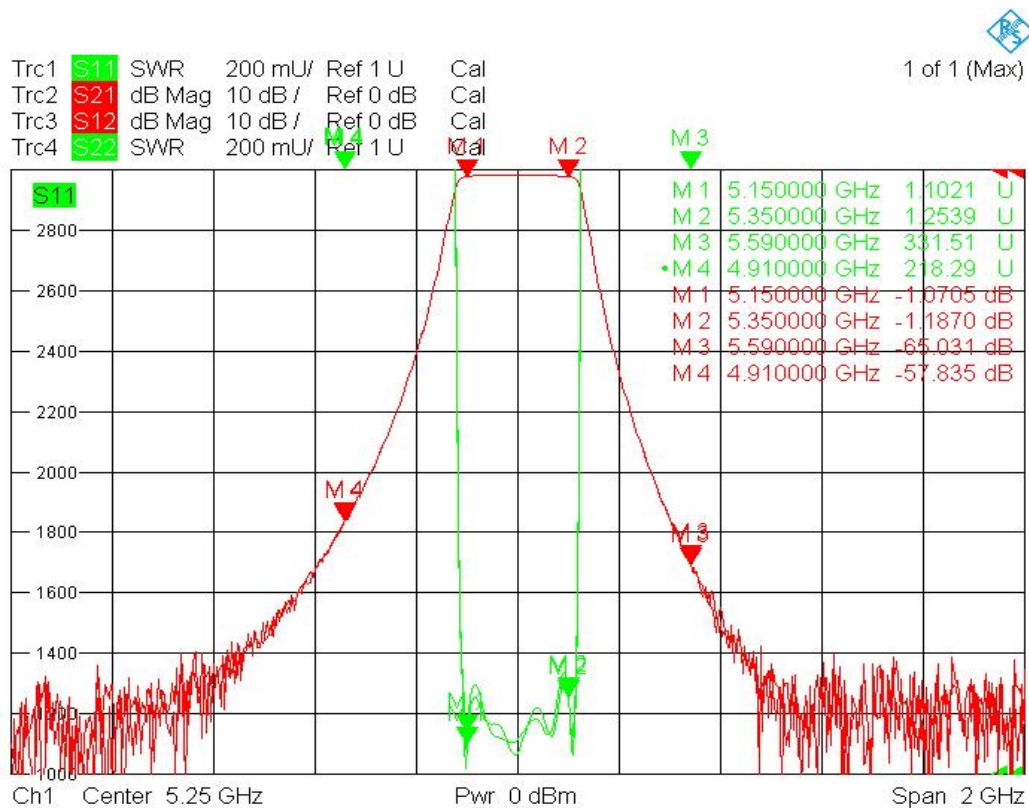


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                      | 版本号 Revision |
|------------------|-----------------------------------------------------------------------------------------------------|--------------|
| TLBF-5G25-200M-E | Coaxial Band-pass Filter, Passband frequency range: 5.15-5.35GHz, 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.