

## Coaxial Band-pass Filter

### 4.7-4.9 GHz/SMA Female

**Model: TLBF-4G8-200M-E**

TLBF-4G8-200M-E is a coaxial band-pass filter with a passband frequency from 4.7 to 4.9 GHz and a rejection frequencies from DC-3.3 GHz and 5.4-5.9 GHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

#### Features:

- Passband Frequency Range 4.7 to 4.9 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

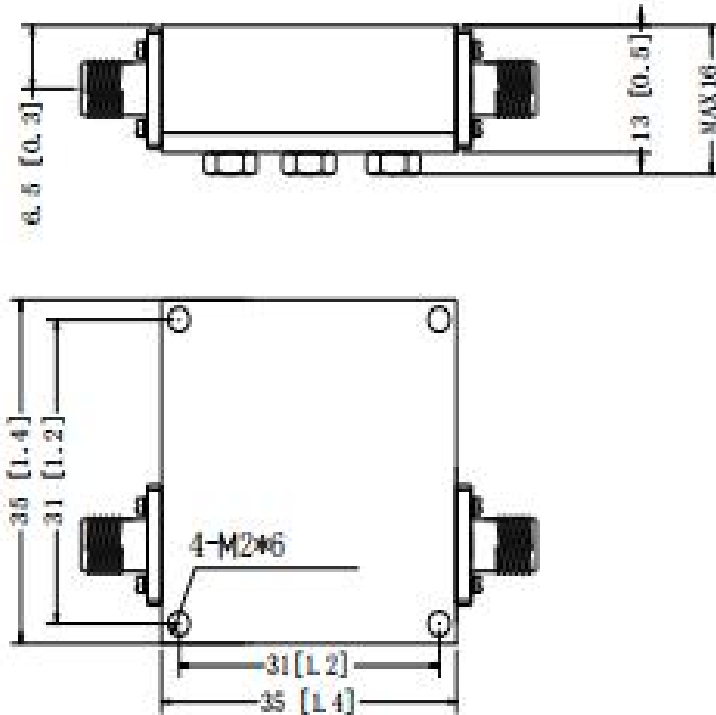
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                              | Typ | Max | 单位 Units |
|---------------------------------|----------------------------------|-----|-----|----------|
| 通带频率范围 Passband Frequency range | 4.7                              |     | 4.9 | GHz      |
| 带宽 Band Width                   |                                  |     | 0.2 | GHz      |
| 通带插损 Passband Insertion Loss    |                                  |     | 1.5 | dB       |
| 带内波动 Pass Band Ripple           |                                  |     | 1.2 | dB       |
| 带外抑制 Rejection                  | >50dB@DC-3300Mhz<br>5400-5900Mhz |     |     |          |
| 耐受功率 Power Handling             |                                  |     | 50  | W        |
| 驻波 VSWR                         |                                  |     | 1.5 | :1       |
| 阻抗 Impedance                    | 50                               |     |     | Ohms     |

### 环境和机械特性 Envriionmental And Physical Characteristics:

| 类型 Description            | 参数 Parameter | 单位 Units |
|---------------------------|--------------|----------|
| 操作温度 Operating Temerature | -40 To +70   | °C       |
| 接口 Connectors             | SMA Female   |          |

外形图 Outline Drawing: Unit:mm

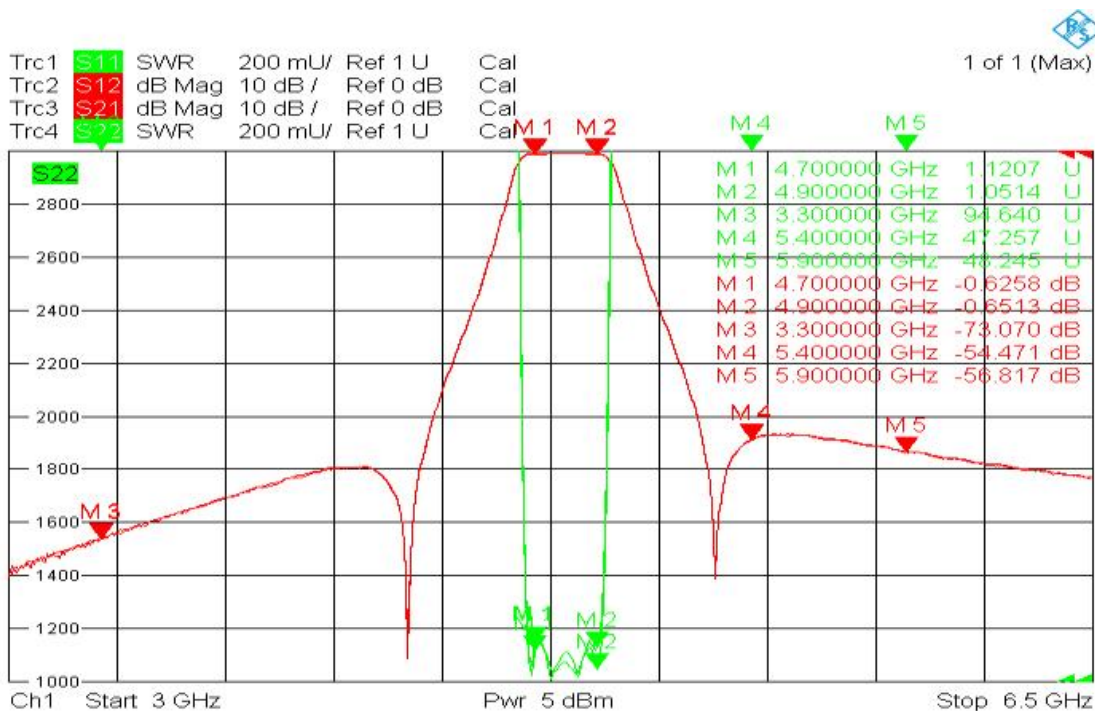


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                             | 版本号 Revision |
|------------------|------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-4G8-200M-E  | Coaxial Band-pass Filter, Passband frequency range: 4.7-4.9GHz, Passband Insertion Loss: 1.5dB, 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.