

## Coaxial Band-pass Filter

### 1-2 GHz/SMA Female

**Model: TLBF-1G-2G-X6**

TLBF-1G-2G-X6 is a coaxial band-pass filter with a passband frequency from 1 to 2 GHz and a rejection frequencies from DC to 0.5 GHz and point at 3 GHz. The maximum insertion loss of the filter is 1.0 dB and the minimum rejection is 15 dB.

#### Features:

- Passband Frequency Range 1 to 2 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

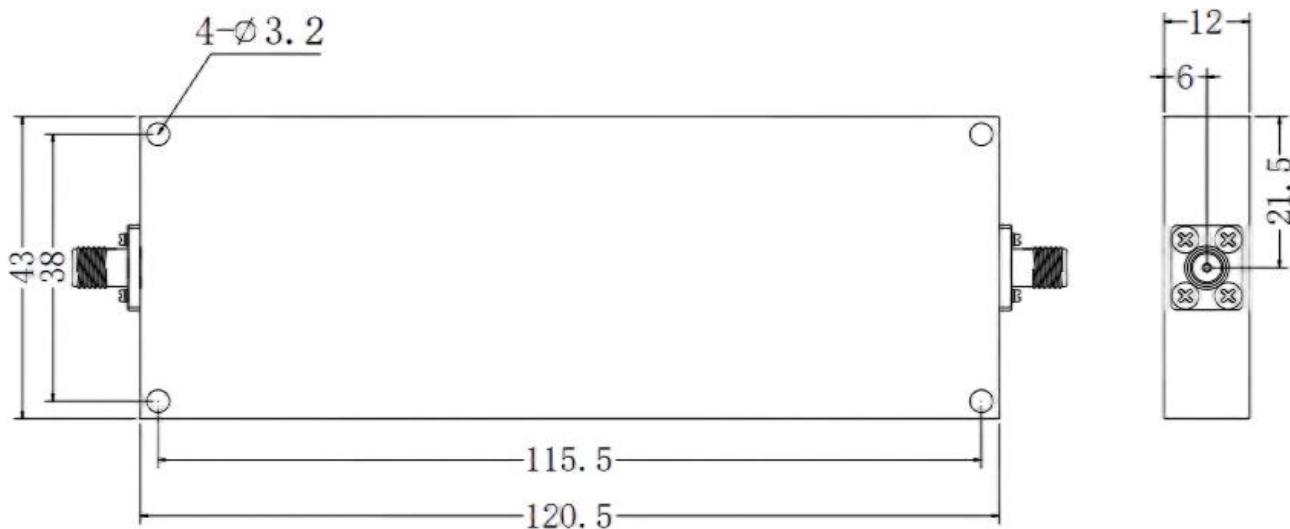
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min | Typ | Max | 单位 Units |
|---------------------------------|-----|-----|-----|----------|
| 通带频率范围 Passband Frequency range | 1   |     | 2   | GHz      |
| 通带插损 Passband Insertion Loss    |     |     | 1.0 | dB       |
| 带内纹波 Pass Band Ripple           |     |     | 0.9 | dB       |
| 驻波 VSWR                         |     |     | 1.8 | :1       |
| 带外抑制 Rejection@DC-0.5GHz&3GHz   | 15  |     |     | dB       |
| 耐受功率 Power Handling             |     |     | 15  | 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                    | 12*43*120.5  | mm       |

外形图 Outline Drawing: Unit:mm

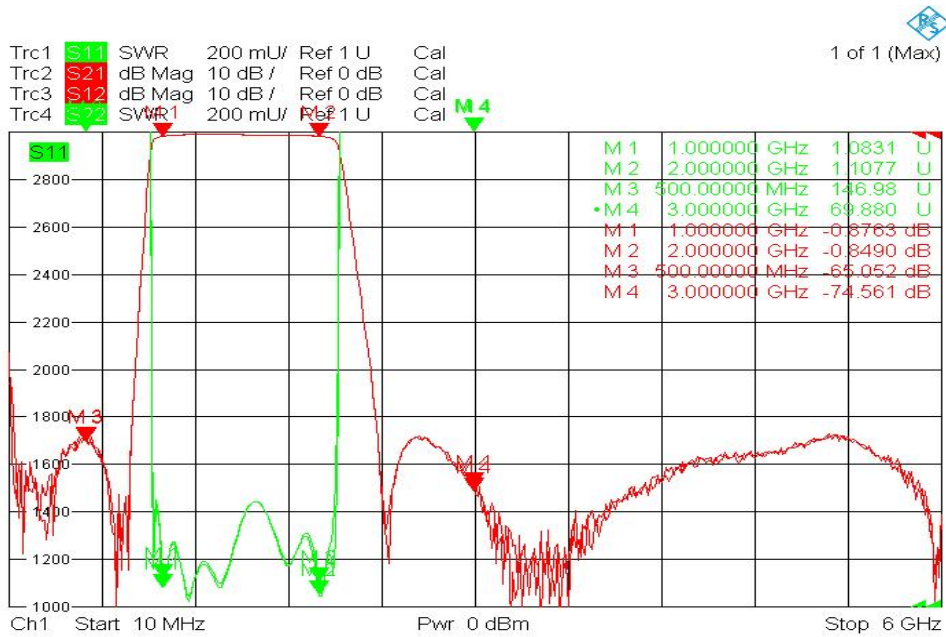


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                         | 版本号 Revision |
|------------------|--------------------------------------------------------------------------------------------------------|--------------|
| TLBF-1G-2G-X6    | Coaxial Band-pass Filter, Passband frequency range: 1-2GHz, Passband Insertion Loss: 1.0dB, 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.