

## Coaxial Band-pass Filter

Center Frequency 1000 MHz/SMA Female

Model: TLBF-1G-20M-E

TLBF-1G-20M-E is a coaxial band-pass filter with a passband center frequency at 1000 MHz and a rejection frequencies at  $f_c \pm 30$  MHz. The maximum insertion loss of the filter is 1.8 dB and the minimum rejection is 40 dB.

### Features:

- Passband Center Frequency 1000 MHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

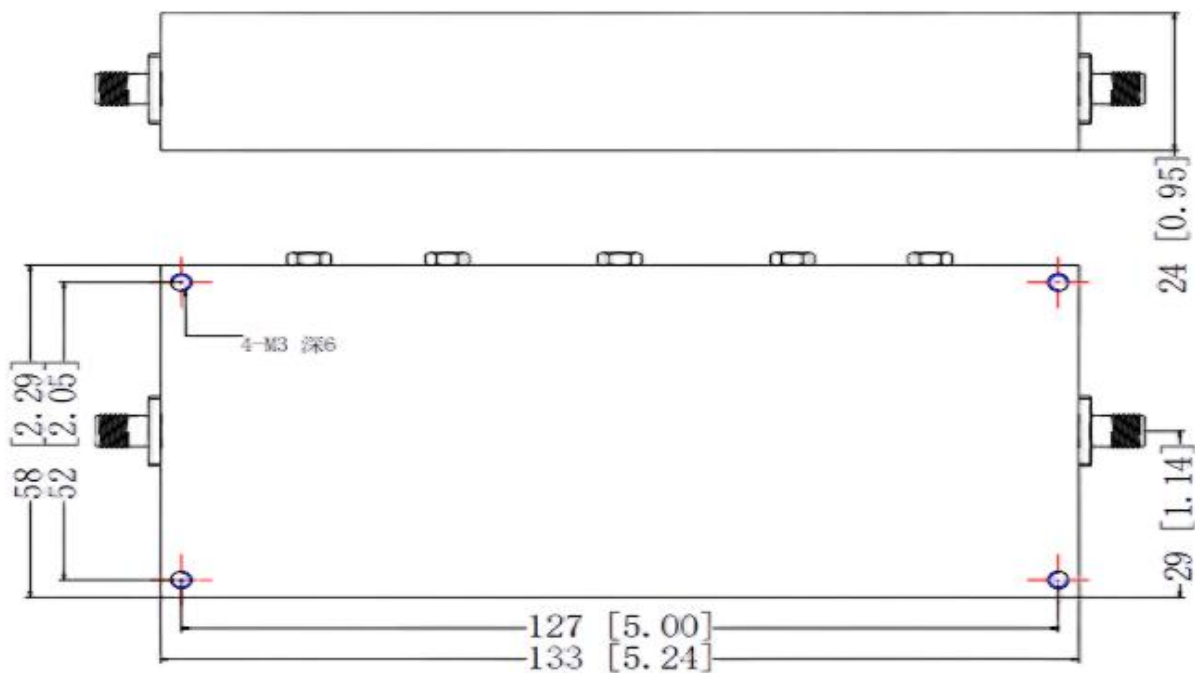
## 电气特性 Electrical Characteristics:

| 参数 Parameter                     | Min | Typ | Max  | 单位 Units |
|----------------------------------|-----|-----|------|----------|
| 通带频率范围 Passband Frequency range  | 990 |     | 1010 | MHz      |
| 带宽 Band Width                    |     |     | 20   | MHz      |
| 插损 Insertion Loss( $f_0$ )       |     |     | 1.8  | dB       |
| 带内纹波 Pass Band Ripple            |     |     | 1.6  | dB       |
| 驻波 VSWR                          |     |     | 1.5  | :1       |
| 带外抑制 Rejection@ $f_c \pm 30$ MHz | 40  |     |      | dB       |
| 耐受功率 Power Handling              |     |     | 50   | W        |
| 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   |          |
| 尺寸 Size                   | 24*58*133    | mm       |

外形图 Outline Drawing: Unit:mm

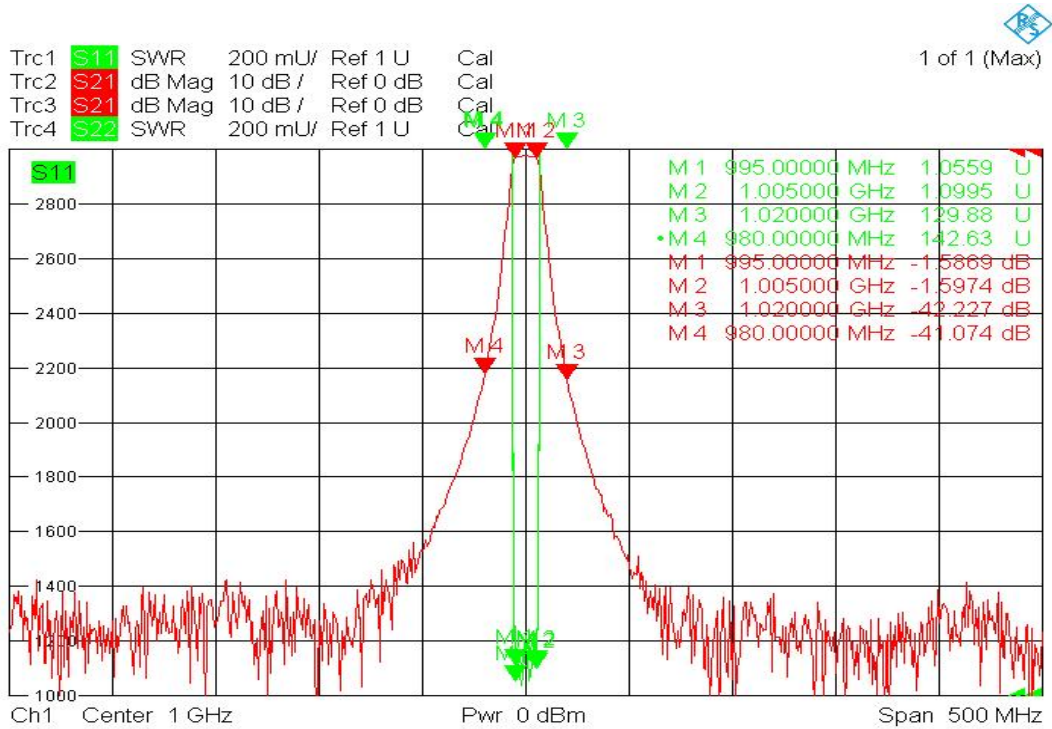


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                      | 版本号 Revision |
|------------------|-----------------------------------------------------------------------------------------------------|--------------|
| TLBF-1G-20M-E    | Coaxial Band-pass Filter, Passband center frequency: 1000MHz, Insertion Loss(f0): 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.