

## Coaxial Band-pass Filter

### 3-3.6 GHz/SMA Female

Model: TLBF-3G3-600M-E

TLBF-3G3-600M-E is a coaxial band-pass filter with a passband frequency from 3 to 3.6 GHz and a rejection frequencies from DC-2.5 GHz and 4.1 GHz. The maximum fo insertion loss of the filter is 1.0 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 3 to 3.6 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

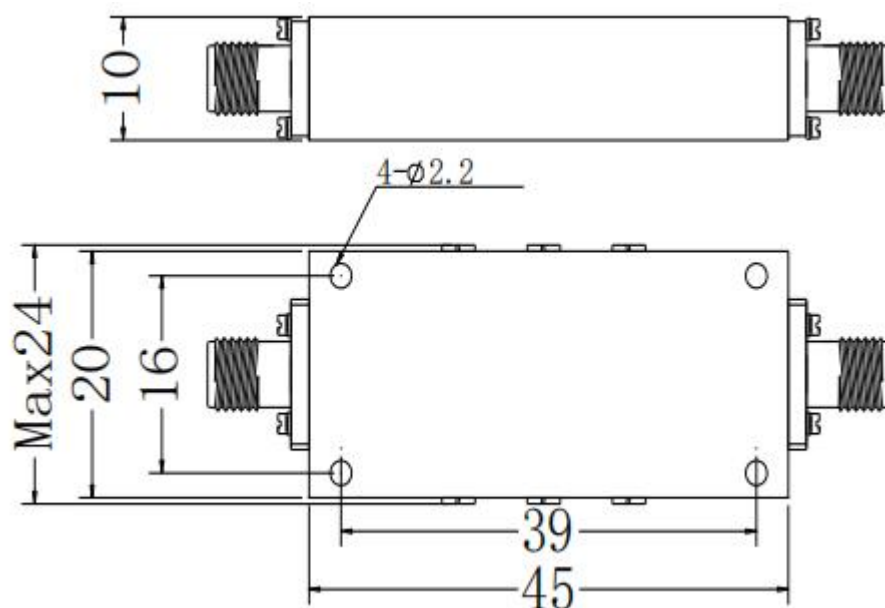
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                         | Typ | Max | 单位 Units |
|---------------------------------|-----------------------------|-----|-----|----------|
| 通带频率范围 Passband Frequency range | 3                           |     | 3.6 | GHz      |
| 带宽 Band Width                   |                             |     | 0.6 | GHz      |
| 插损 Insertion Loss(fo)           |                             |     | 1.0 | dB       |
| 带内波动 Pass Band Ripple           |                             |     | 0.8 | dB       |
| 带外抑制 Rejection                  | >40dB@DC-2500MHz<br>4100MHz |     |     |          |
| 耐受功率 Power Handling             |                             |     | 20  | W        |
| 驻波 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   | °C       |
| 接口 Connectors              | SMA Female   |          |

外形图 Outline Drawing: Unit:mm

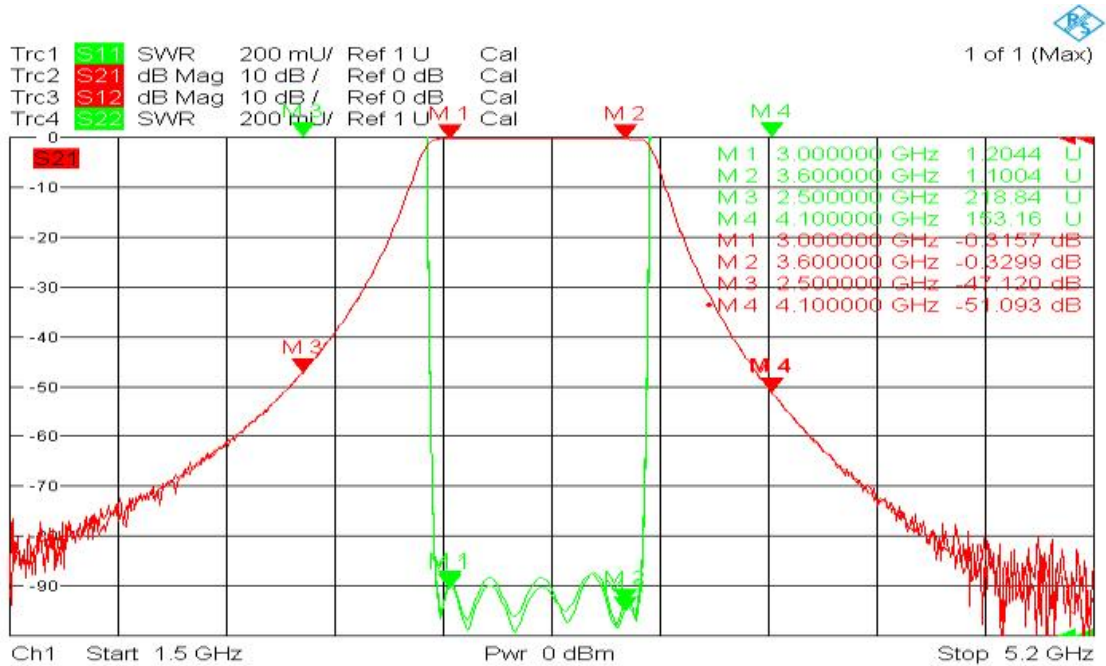


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                        | 版本号 Revision |
|------------------|-------------------------------------------------------------------------------------------------------|--------------|
| TLBF-3G3-600M-E  | Coaxial Band-pass Filter, Passband frequency range: 3-3.6GHz, fo<br>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.