

## Coaxial Band-pass Filter

### 3.2-3.8GHz/ SMA Female

### Model: TLBF-3G5-600M-E

TLBF-3G5-600M-E is a coaxial band-pass filter with a passband frequency from 3.2 to 3.8GHz and a rejection frequencies at 2.7GHz and 4.3 GHz. The nominal insertion loss of the filter is 1.0dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 3.2 to 3.8GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

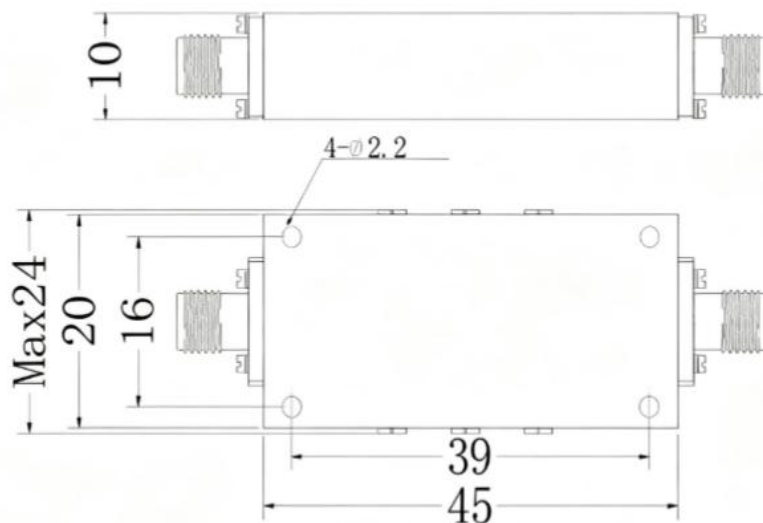
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                    | Typ | Max | 单位 Units |
|---------------------------------|------------------------|-----|-----|----------|
| 通带频率范围 Passband Frequency range | 3.2                    |     | 3.8 | GHz      |
| 中心插损 Insertion Loss ( fo )      |                        |     | 1.0 | dB       |
| 带内纹波 Pass Band Ripple           |                        |     | 0.8 | dB       |
| 带外抑制 Rejection                  | >40dB@2.7Ghz<br>4.3Ghz |     |     | dB       |
| 耐受功率 Power Handling             |                        |     | 50  | W        |
| 输入驻波 Input VSWR                 |                        |     | 1.6 | :1       |
| 输出驻波 Output 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 Temerature | -40 To +70   | ℃        |
| 存储温度 Storage Temerature   | -40 to +70   | ℃        |
| 接口 Connectors             | SMA Female   |          |

外形图 Outline Drawing: Unit:mm;

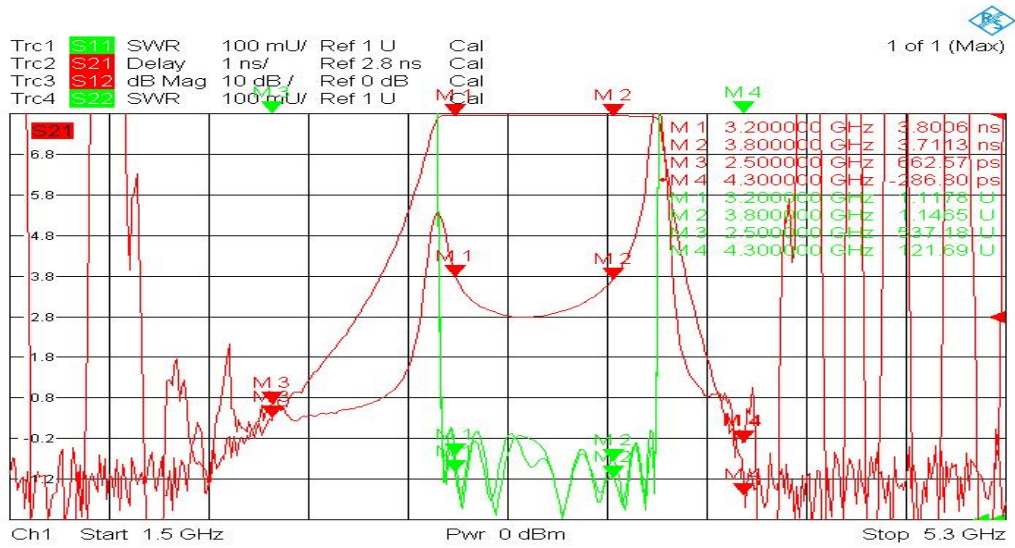


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                                | 版本号 Revision |
|------------------|---------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-3G5-600M-E  | Coaxial Band-pass Filter, Passband frequency range: 3.2 to 3.8GHz, 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.