

## Coaxial Band-pass Filter

28.3-31.3GHz/ 2.92 Female

Model: TLBF-28G3-31G3-E

TLBF-28G3-31G3-E is a coaxial band-pass filter with a passband frequency from 28.3 to 31.3GHz and a rejection frequencies @25.3 and 34.3GHz. The nominal insertion loss of the filter is 1.5 dB and the typical rejection is 50 dB.

### Features:

- Passband Frequency Range 28.3 to 31.3GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

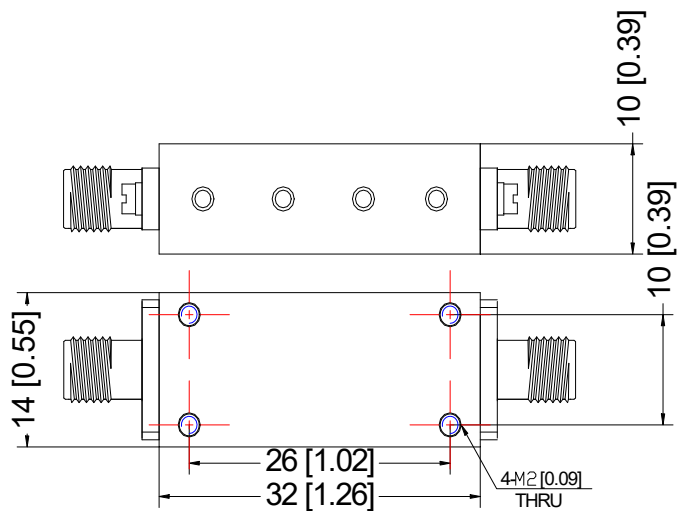
## 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min         | Typ | Max  | 单位 Units |
|---------------------------------|-------------|-----|------|----------|
| 通带频率范围 Passband Frequency range | 28.3        |     | 31.3 | GHz      |
| 通带插损 Passband Insertion Loss    |             |     | 1.5  | dB       |
| 带内纹波 Pass Band Ripple           |             |     | 1.2  | dB       |
| 带外抑制 Rejection                  | ≥50@fc±3GHz |     |      | dB       |
| 耐受功率 Power Handling             |             |     | 20   | 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 Temperature | -40 To +70   | ℃        |
| 存储温度 Storage Temperature   | -40 to +70   | ℃        |
| 接口 Connectors              | 2.92 Female  |          |

外形图 Outline Drawing: Unit:mm;

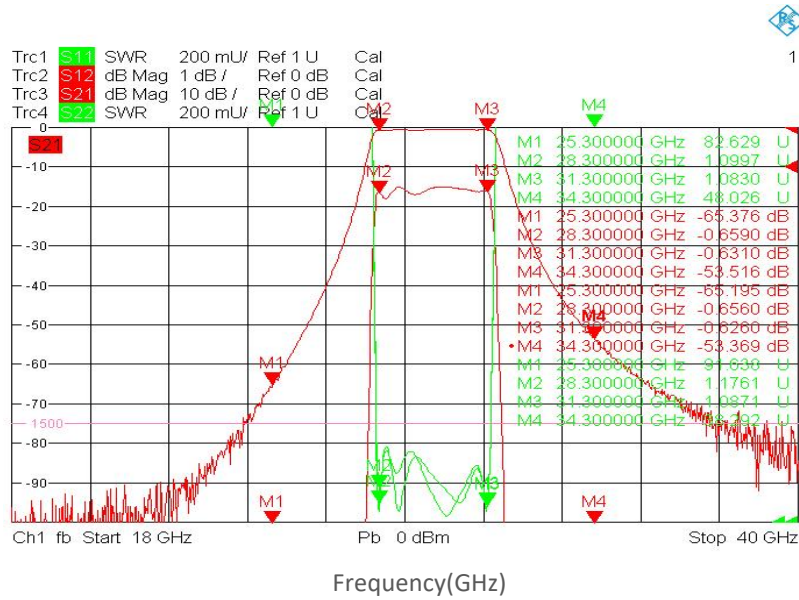


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                                   | 版本号 Revision |
|------------------|------------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-28G3-31G3-E | Coaxial Band-pass Filter, Passband frequency range: 28.3 to 31.3GHz, Passband Insertion Loss: 1.5dB, 2.92 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.