

## Coaxial Band-pass Filter

### 37.5-55GHz/ 1.85 Female

**Model: TLBF-37G5-55G-1.85**

TLBF-37G5-55G-1.85 is a coaxial band-pass filter with a passband frequency from 37.5 to 55GHz and a rejection frequencies @34.5 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 37.5 to 55GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

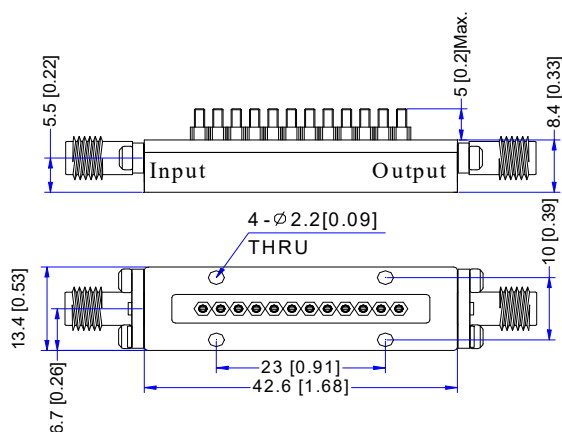
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min  | Typ | Max  | 单位 Units |
|---------------------------------|------|-----|------|----------|
| 通带频率范围 Passband Frequency range | 37.5 |     | 55   | GHz      |
| 通带插损 Passband Insertion Loss    |      |     | 2.0  | dB       |
| 带外抑制 Rejection@34.5GHz          | 40   |     |      | dB       |
| 耐受功率 Power Handling             |      | 2   |      | W        |
| 输入驻波 Input VSWR                 |      |     | 1.93 | :1       |
| 输出驻波 Output VSWR                |      |     | 1.93 | :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 | 0 To +50     | ℃        |
| 存储温度 Storage Temperature   | 0 To +50     | ℃        |
| 接口 Connectors              | 1.85 Female  |          |

外形图 Outline Drawing: Unit:mm;

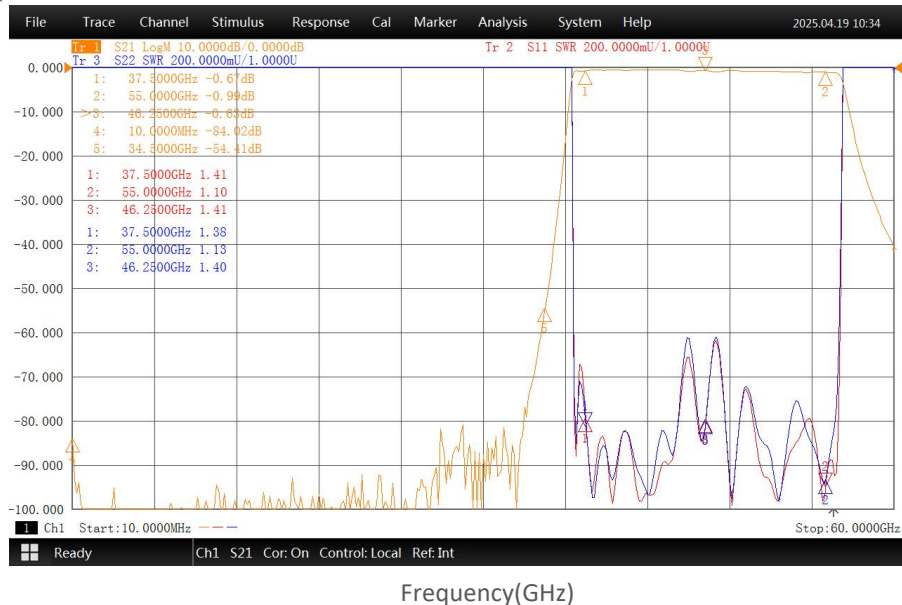


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number   | 描述 Description                                                                                                 | 版本号 Revision |
|--------------------|----------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-37G5-55G-1.85 | Coaxial Band-pass Filter, Passband frequency range: 37.5 to 55GHz, Passband Insertion Loss: 2.0dB, 1.85 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.