

Coaxial Band-pass Filter

30-40GHz/ 2.92 Female

Model: TLBF-35G-10G-A

TLBF-35G-10G-A2 is a coaxial band-pass filter with a passband frequency from 30-40GHz and a rejection frequencies @24 and 46 GHz. The nominal insertion loss of the filter is 2.0 dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range 30-40 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

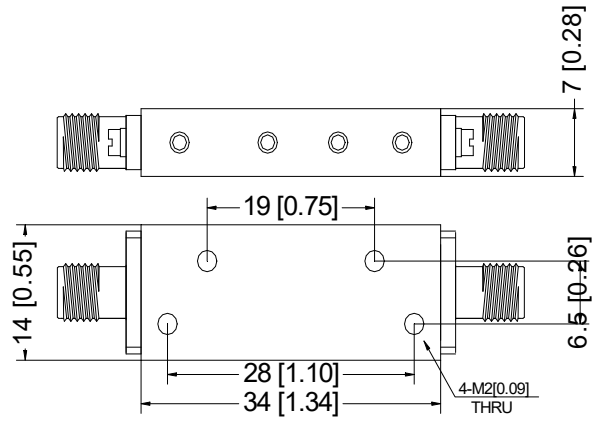
电气特性 Electrical Characteristics:

| 参数 Parameter                    |        | Min | Typ | Max | 单位 Units |
|---------------------------------|--------|-----|-----|-----|----------|
| 通带频率范围 Passband Frequency range |        | 30  |     | 40  | GHz      |
| 通带插损 Passband Insertion Loss    |        |     |     | 2.0 | dB       |
| 带内纹波 Pass Band Ripple           |        |     |     | 1.8 | dB       |
| 带外抑制 Rejection                  | @24GHz | 50  |     |     | dB       |
|                                 | @46GHz | 50  |     |     |          |
| 耐受功率 Power Handling             |        |     |     | 20  | W        |
| 输入驻波 Input VSWR                 |        |     |     | 1.8 | :1       |
| 输出驻波 Output VSWR                |        |     |     | 1.8 | :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             | 2.92 Female  |          |

外形图 Outline Drawing: Unit:mm;

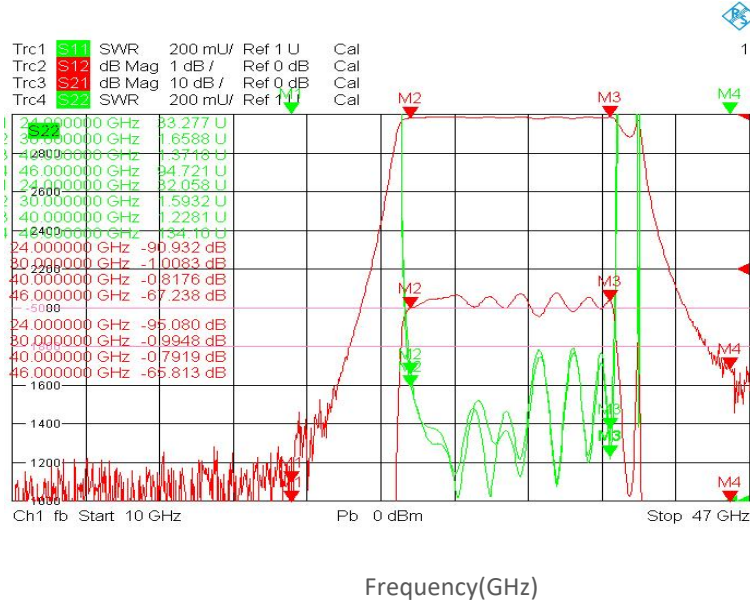


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                               | 版本号 Revision |
|------------------|--------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-35G-10G-A   | Coaxial Band-pass Filter, Passband frequency range: 30 to 40GHz, Passband Insertion Loss: 2.0dB, 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.