

## Coaxial Low-pass Filter

### DC-11.5GHz/SMA Female

**Model: TLLF-DC-12G-T2**

TLLF-DC-12G-T2 is a coaxial low-pass filter with a passband frequency from 0 to 11.5GHz and a rejection frequency from 14.4 to 34 GHz. The typical insertion loss of the filter is 0.5 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range DC to 11.5GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

### 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min | Typ | Max | 单位 Units |
|---------------------------------|-----|-----|-----|----------|
| 通带频率范围 Passband Frequency range | DC  |     | 12  | GHz      |
| 通带插损 Passband Insertion Loss    |     | 0.5 |     | dB       |
| 带内回损 Passband Return loss       |     | -20 |     |          |
| 带外抑制 Rejection@14.4GHz          |     | -25 |     | dB       |
| 带外抑制 Rejection@19-34GHz         | -40 | -55 |     |          |
| 耐受功率 Power Handling             |     |     | 2   | W        |
| 阻抗 Impedance                    | 50  |     |     | Ohms     |

### 环境和机械特性 Environmental And Physical Characteristics:

| 类型 Description             | 参数 Parameter | 单位 Units |
|----------------------------|--------------|----------|
| 操作温度 Operating Temperature | -45 To +85   | °C       |
| 存储温度 Storage Temperature   | -55 to +125  | °C       |
| 接口 Connectors              | SMA Female   |          |

## 外形图 Outline Drawing:

Unit:mm

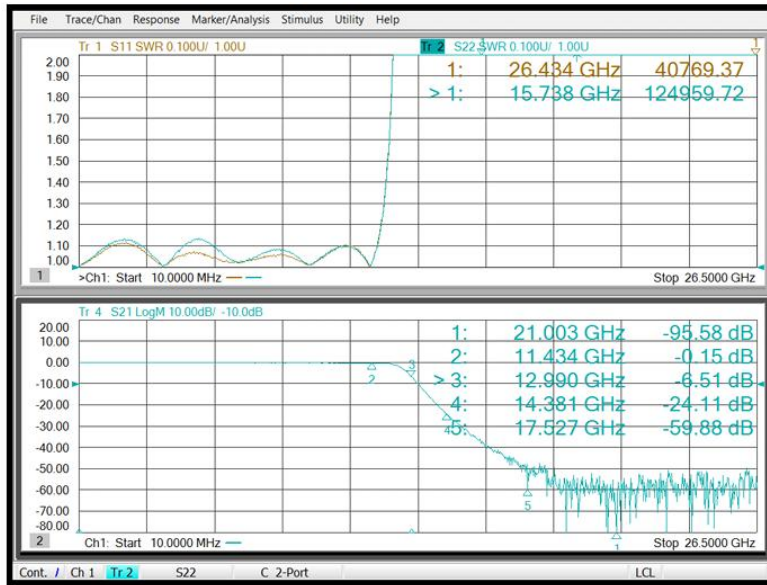


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## 订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                              | 版本号 Revision |
|------------------|-------------------------------------------------------------------------------------------------------------|--------------|
| TLLF-DC-12G-T2   | Coaxial Low-pass Filter, Passband frequency range: DC-12GHz, Passband Insertion Loss: 0.5dB Typ, SMA Female | Rev.1.0      |

## 典型曲线 Typical Performance Data:



Frequency(GHz)

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.