

## Coaxial High-pass Filter

### 10.5-18 GHz/SMA Female

Model: TLHF-10G5-18G-X

TLHF-10G5-18G-X is a coaxial High-pass filter with a passband frequency from 10.5 to 18 GHz and a rejection frequency from DC to 8.5 GHz. The maximum insertion loss of the filter is 1.0 dB and the minimum rejection is 50 dB.

#### Features:

- Passband Frequency Range 10.5 to 18GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

### 电气特性 Electrical Characteristics:

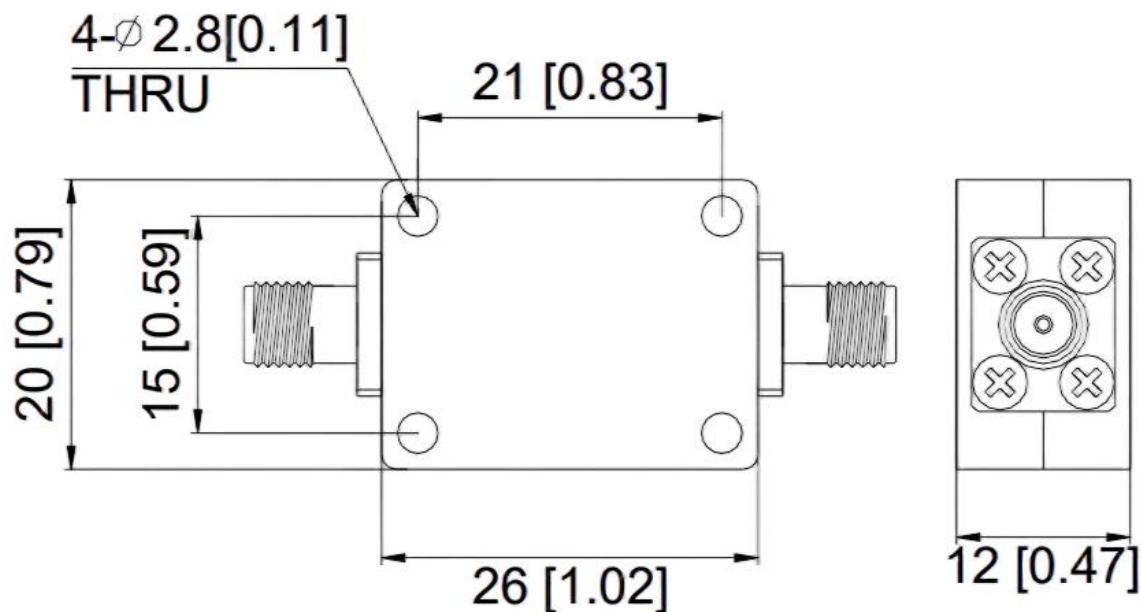
| 参数 Parameter                    | Min  | Typ | Max | 单位 Units |
|---------------------------------|------|-----|-----|----------|
| 带通频率范围 Passband Frequency range | 10.5 |     | 18  | GHz      |
| 通带插损 Passband Insertion Loss    |      |     | 1.0 | dB       |
| 带内纹波 Pass Band Ripple           |      |     | 0.8 | dB       |
| 驻波 VSWR                         |      |     | 1.6 | :1       |
| 带外抑制 Rejection@DC-8.5GHz        | 50   |     |     | dB       |
| 耐受功率 Power Handling             |      |     | 15  | W        |
| 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   | °C       |
| 接口 Connectors              | SMA Female   |          |
| 尺寸 Size                    | 12*20*26     | mm       |

## 外形图 Outline Drawing:

Unit:mm

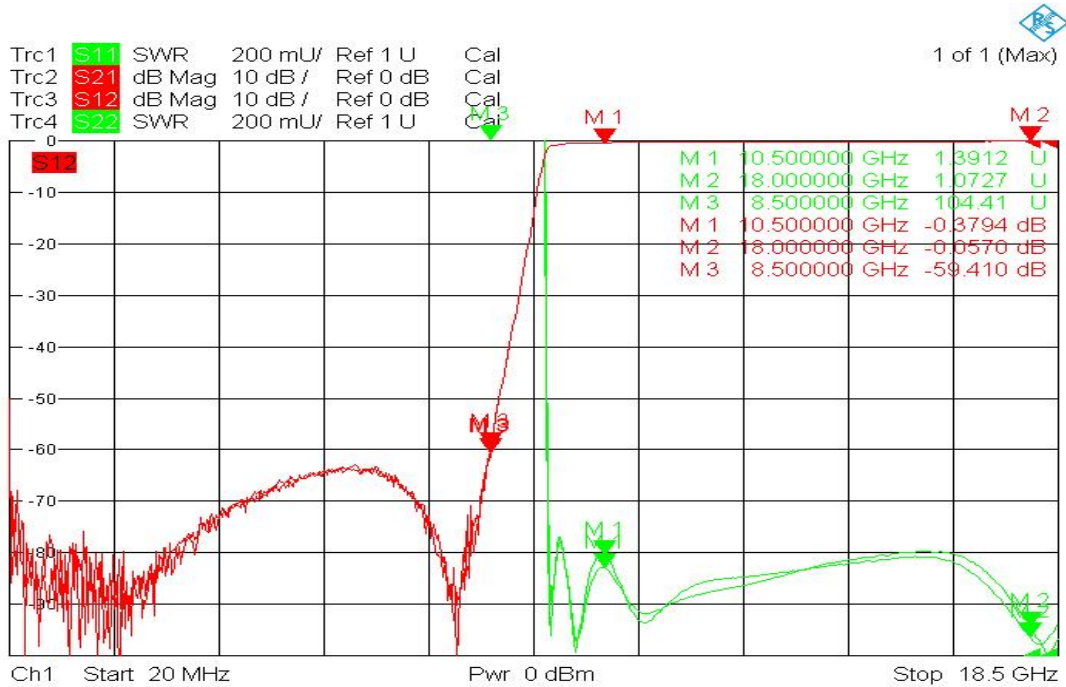


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## 订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                                                       | 版本号 Revision |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------|
| TLHF-10G5-18G-X  | Coaxial High-pass Filter, Passband frequency range: 10.5-18GHz, Passband Insertion Loss: 1.6dB, SMA Female Coaxial Fixed Termination | Rev.1.1      |

## 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.