

## Coaxial High-pass Filter

### 18-40 GHz/2.92mm Female

**Model: TLHF-18G-40G-X**

TLHF-18G-40G-X is a coaxial High-pass filter with a passband frequency from 18 to 40 GHz and a rejection frequency from DC to 16 GHz. The maximum insertion loss of the filter is 2.0 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Frequency Range 18 to 40GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

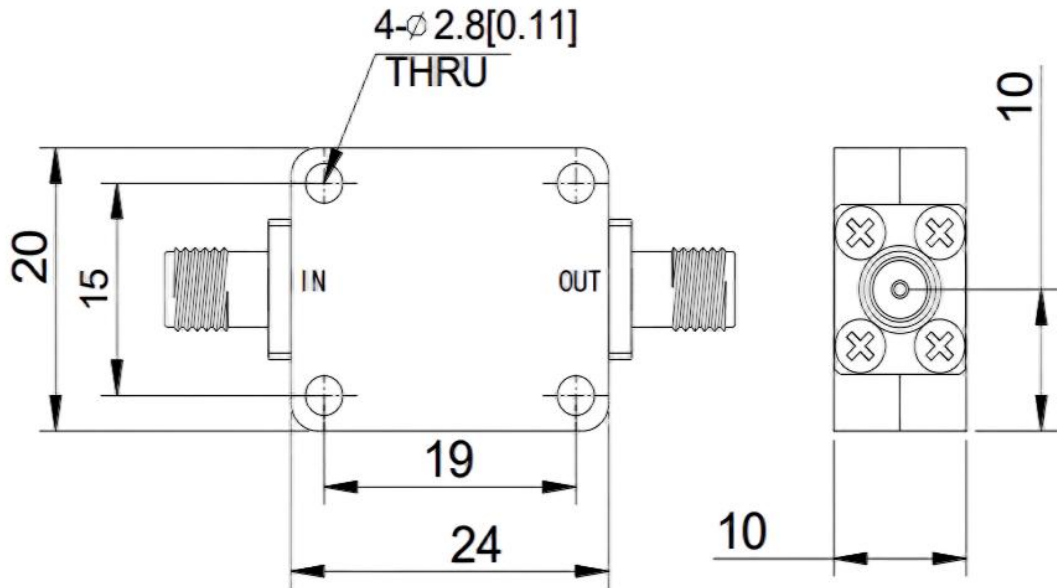
| Parameter                | Min | Typ | Max | Units |
|--------------------------|-----|-----|-----|-------|
| Passband Frequency range | 18  |     | 40  | GHz   |
| Passband Insertion Loss  |     |     | 2.0 | dB    |
| Pass Band Ripple         |     |     | 1.6 | dB    |
| VSWR                     |     |     | 2.2 | :1    |
| Rejection@DC-16GHz       | 40  |     |     | dB    |
| Power Handling           |     |     | 10  | W     |
| Impedance                | 50  |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter     | Units |
|----------------------|---------------|-------|
| Operating Temerature | -40 To +70    | °C    |
| Connectors           | 2.92mm Female |       |
| Size                 | 10*20*24      | mm    |

## Outline Drawing:

Unit:mm

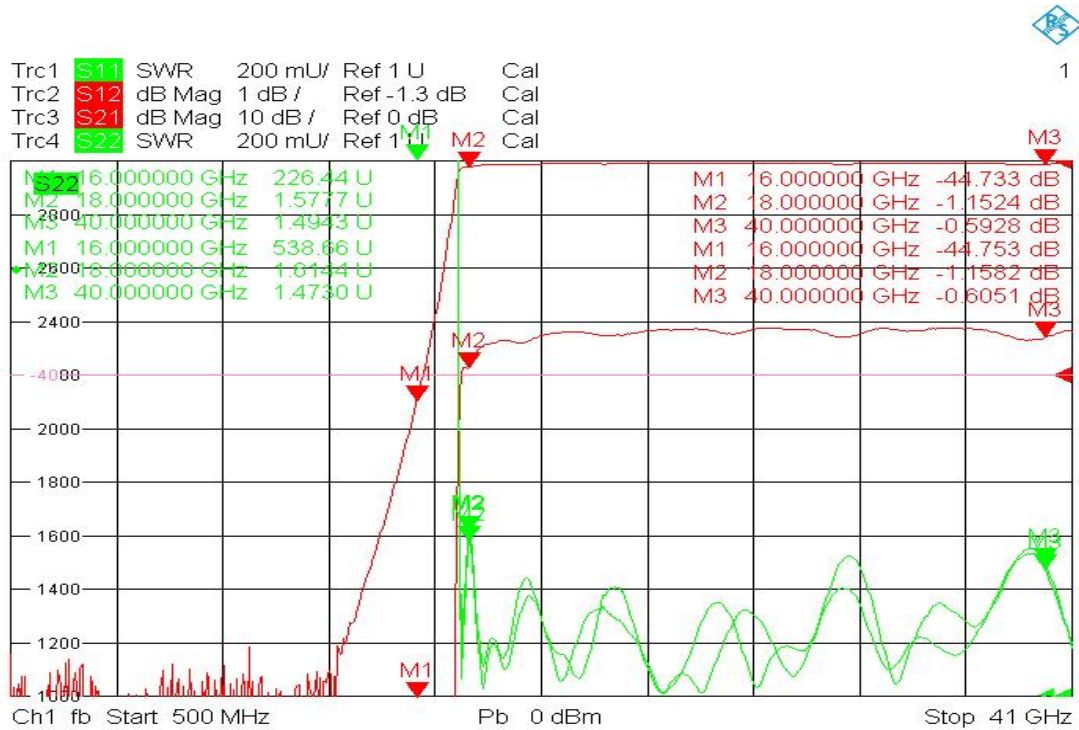


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number    | Description                                                                                                                           | Revision |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|
| TLHF-18G-40G-X | Coaxial High-pass Filter, Passband frequency range: 18-40GHz, Passband Insertion Loss: 2.0dB, 2.92mm Female Coaxial Fixed Termination | Rev.1.1  |

## 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.