

## Coaxial High-pass Filter

### 4-18 GHz/SMA Female

**Model: TLHF-4G-18G-X**

TLHF-4G-18G-X is a coaxial High-pass filter with a passband frequency from 4 to 18 GHz and a rejection frequency from DC to 3 GHz. The maximum insertion loss of the filter is 1.5 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Frequency Range 4 to 18GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

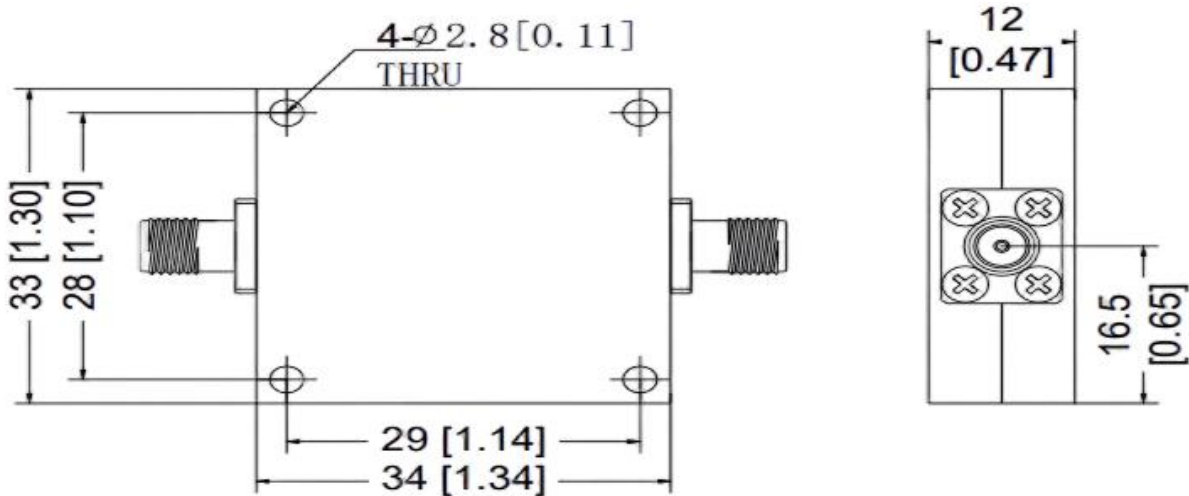
#### Electrical Characteristics:

| Parameter                | Min | Typ | Max | Units |
|--------------------------|-----|-----|-----|-------|
| Passband Frequency range | 4   |     | 18  | GHz   |
| Passband Insertion Loss  |     |     | 1.5 | dB    |
| Pass Band Ripple         |     |     | 1.2 | dB    |
| VSWR                     |     |     | 1.5 | :1    |
| Rejection@DC-3GHz        | 40  |     |     | dB    |
| Power Handling           |     |     | 10  | W     |
| Impedance                | 50  |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -40 To +70 | °C    |
| Connectors           | SMA Female |       |
| Size                 | 12*32*32   | mm    |

Outline Drawing:
Unit:mm



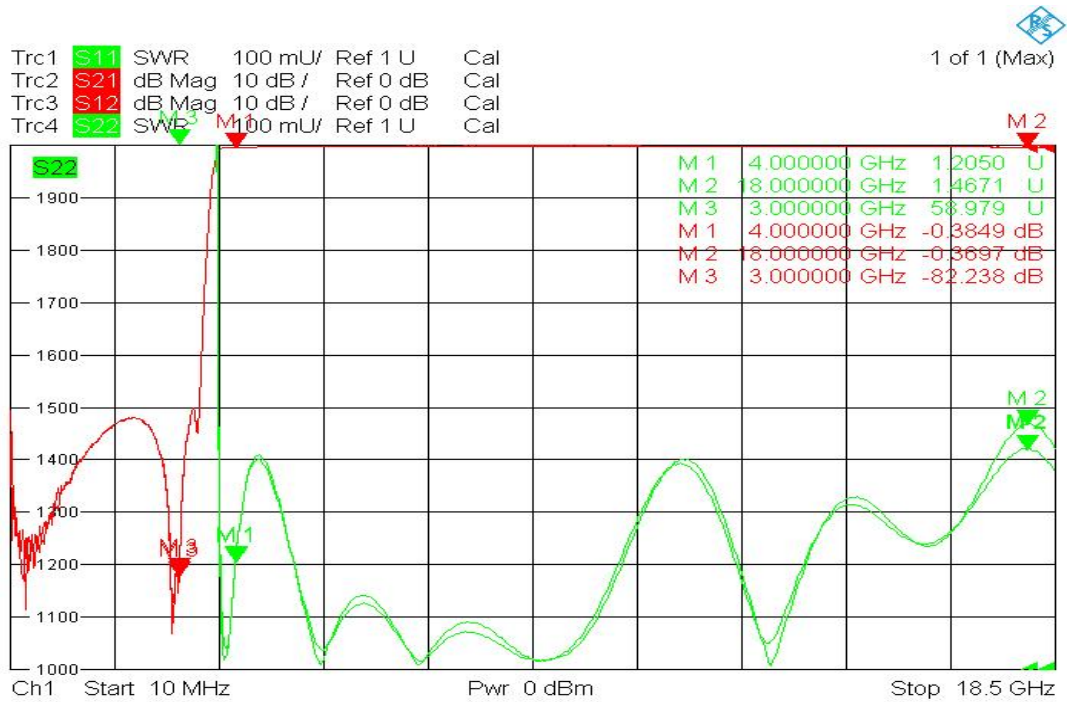


ESD Protection: Strictly  
adhere to ESD precautions  
to prevent electrostatic  
damage.

Ordering Information:

| Base Number   | Description                                                                                                                   | Revision |
|---------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
| TLHF-4G-18G-X | Coaxial High-pass Filter,Passband frequency range:4-18GHz,Passband Insertion Loss:1.5dB, SMA 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.