

## Coaxial Low-pass Filter

### DC-12GHz/SMA Female

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

TLLF-DC-12G-X is a coaxial low-pass filter with a passband frequency from 0 to 12GHz and a rejection frequency from 13.8 to 18.5 GHz. The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 50 dB.

#### Features:

- Passband Frequency Range DC to 12GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

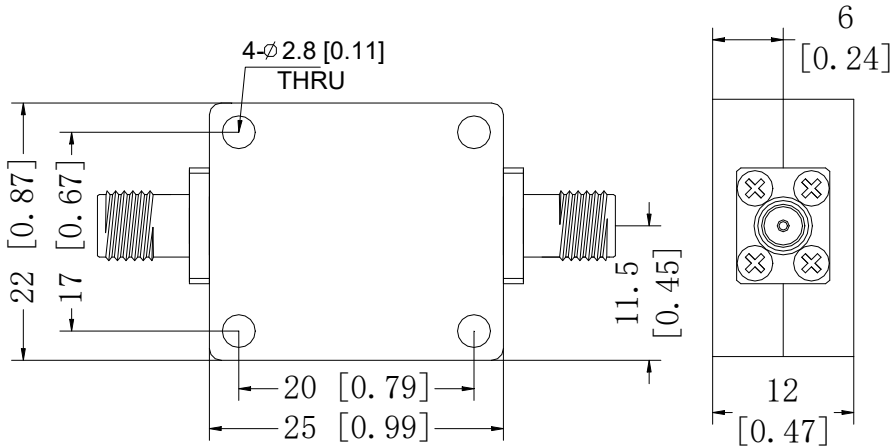
| Parameter                | Min | Typ | Max | 单位 Units |
|--------------------------|-----|-----|-----|----------|
| Passband Frequency range | DC  |     | 12  | GHz      |
| Passband Insertion Loss  |     |     | 1.2 | dB       |
| Pass Band Ripple         |     |     | 1.0 | dB       |
| Rejection@13.8-18.5GHz   | 50  |     |     | dB       |
| Power Handling           |     |     | 15  | W        |
| Input VSWR               |     |     | 1.8 | :1       |
| Output VSWR              |     |     | 1.8 | :1       |
| Impedance                | 50  |     |     | Ohms     |

#### Envrionmental And Physical Characteristics:

| Description           | Parameter  | Units |
|-----------------------|------------|-------|
| Operating Temperature | -40 To +70 | °C    |
| Storage Temperature   | -40 to +70 | °C    |
| Connectors            | SMA Female |       |

Outline Drawing:

Unit:mm

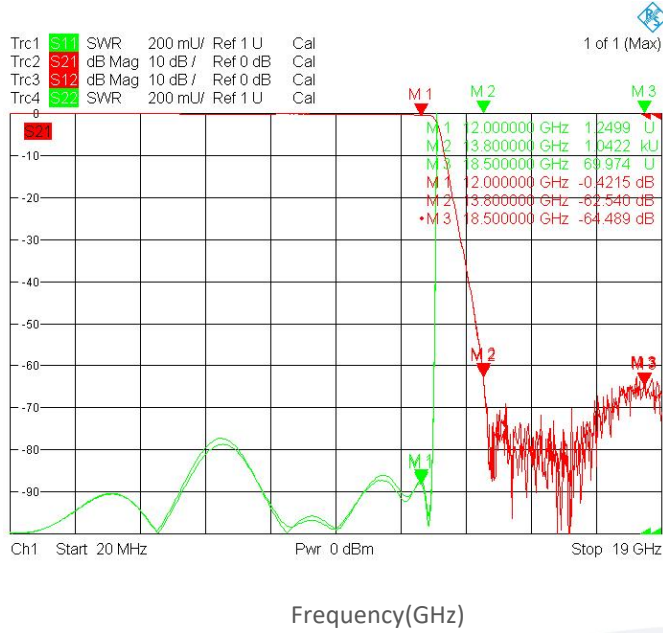


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

| Base Number   | Description                                                                                             | Revision |
|---------------|---------------------------------------------------------------------------------------------------------|----------|
| TLLF-DC-12G-X | Coaxial Low-pass Filter, Passband frequency range: DC-12GHz, Passband Insertion Loss: 1.2dB, SMA 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.