

## Coaxial Low-pass Filter

### DC-3.1 GHz/SMA Female

**Model: TLLF-DC-3G1-X**

TLLF-DC-3G1-X is a coaxial low-pass filter with a passband frequency from DC to 3.1 GHz and a rejection frequency from 3.5 GHz to 8 GHz. The maximum insertion loss of the filter is 1.2 dB and the minimum rejection is 50 dB.

#### Features:

- Passband Frequency Range DC to 3.1GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

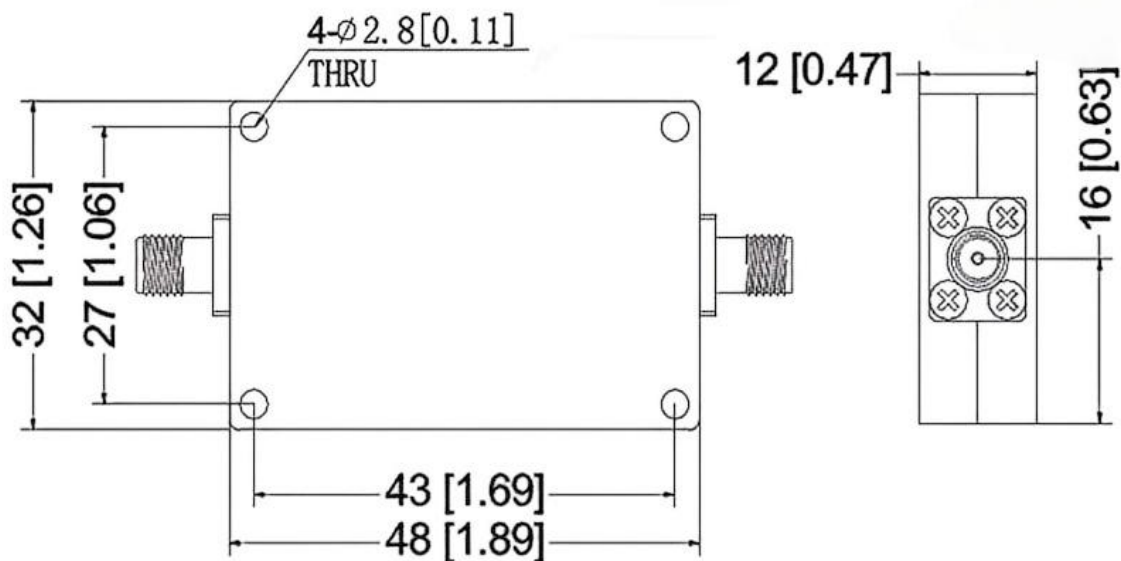
| Parameter                | Min            | Typ | Max | Units |
|--------------------------|----------------|-----|-----|-------|
| Passband Frequency range | DC             |     | 3.1 | GHz   |
| Passband Insertion Loss  |                |     | 1.2 | dB    |
| Pass band Ripple         |                |     | 1.0 | dB    |
| Rejection                | >50dB@3.5-8Ghz |     |     |       |
| 耐Power Handling          |                |     | 15  | W     |
| VSWR                     |                |     | 1.8 | :1    |
| Impedance                | 50             |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -40 To +70 | °C    |
| Connectors           | SMA Female |       |
| Size                 | 48*32*12   | mm    |

Outline Drawing:

Unit:mm

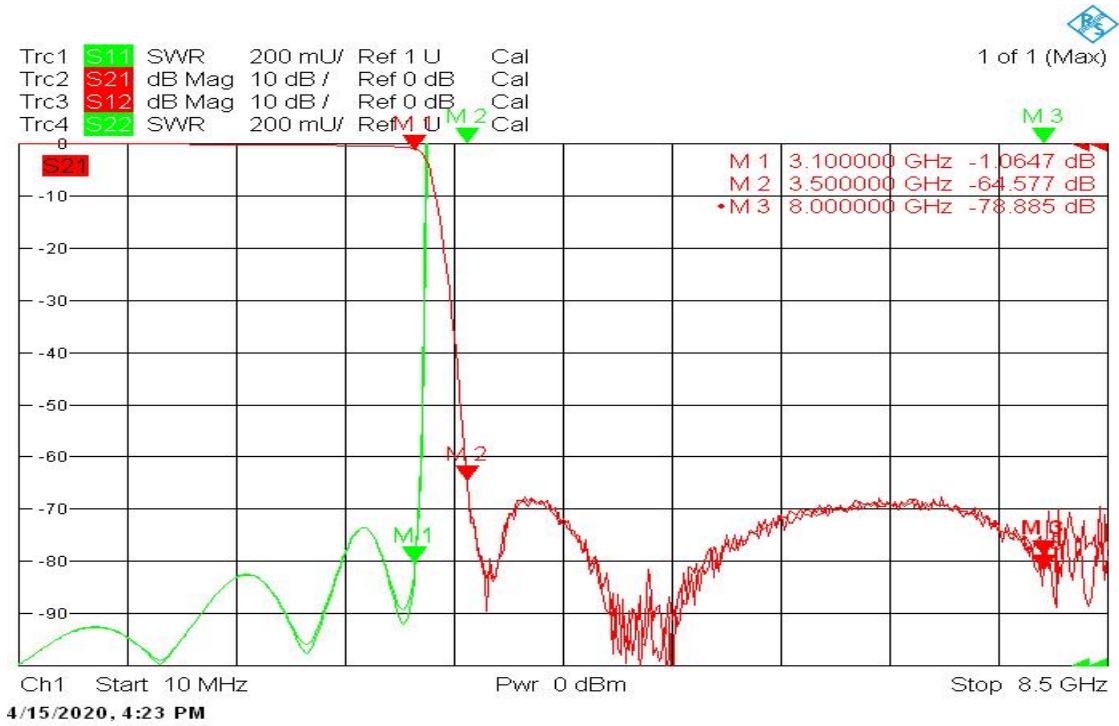


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

| Base Number   | Description                                                                                              | Revision |
|---------------|----------------------------------------------------------------------------------------------------------|----------|
| TLLF-DC-3G1-X | Coaxial Low-pass Filter, Passband frequency range: DC-3.1GHz, Passband Insertion Loss: 1.2dB, SMA Female | Rev.1.0  |

## 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.