

## Coaxial Low-pass Filter

### DC-2.8 GHz/SMA Female

**Model: TLLF-DC-2G8-L**

TLLF-DC-2G.8-L is a coaxial low-pass filter with a passband frequency from DC to 2.8 GHz and a rejection frequency @3300 MHz. The maximum insertion loss of the filter is 2.0 dB and the minimum rejection is 30 dB.

#### Features:

- Passband Frequency Range DC to 2.8GHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

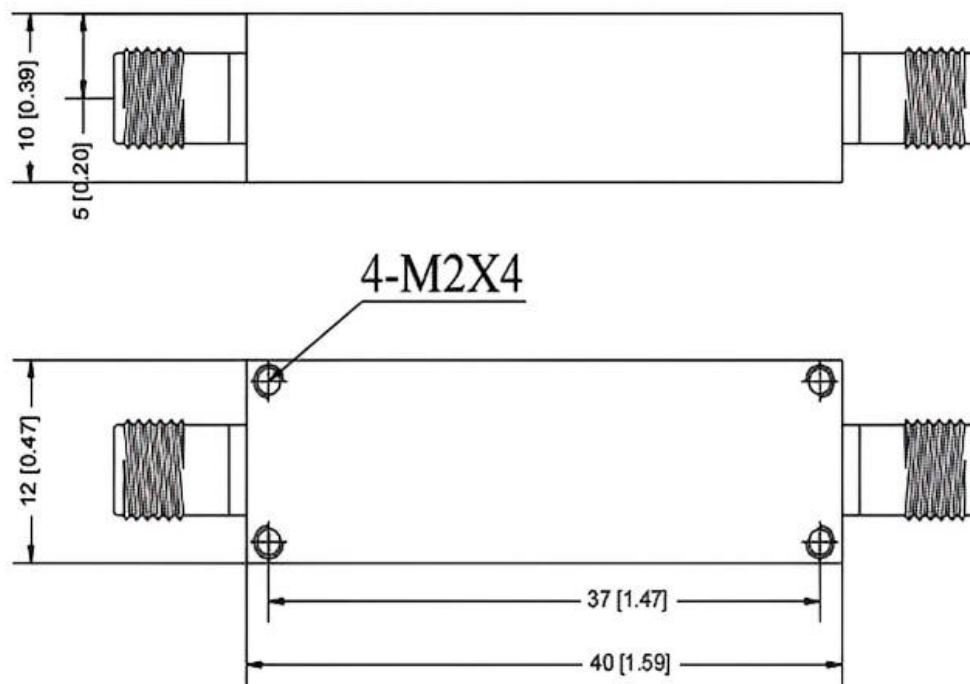
| Parameter                | Min           | Typ | Max | Units |
|--------------------------|---------------|-----|-----|-------|
| Passband Frequency range | DC            |     | 2.8 | GHz   |
| Passband Insertion Loss  |               |     | 2.0 | dB    |
| Pass band Ripple         |               |     | 1.8 | dB    |
| Rejection                | >30dB@3300Mhz |     |     |       |
| Power Handling           |               |     | 2   | W     |
| VSWR                     |               |     | 1.6 | :1    |
| Impedance                | 50            |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -40 To +70 | °C    |
| Connectors           | SMA Female |       |
| Size                 | 40*12*10   | mm    |

## Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number   | Description                                                                                              | Revision |
|---------------|----------------------------------------------------------------------------------------------------------|----------|
| TLLF-DC-2G8-L | Coaxial Low-pass Filter, Passband frequency range: DC-2.8GHz, Passband Insertion Loss: 2.0dB, SMA Female | Rev.1.0  |