

## Coaxial Low-pass Filter

### DC-40 MHz/SMA Female

**Model: TLLF-DC-40M-L**

TLLF-DC-40M-L is a coaxial low-pass filter with a passband frequency from DC to 40 MHz and a rejection frequency @50 MHz. The maximum insertion loss of the filter is 1.3 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Frequency Range DC to 40MHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

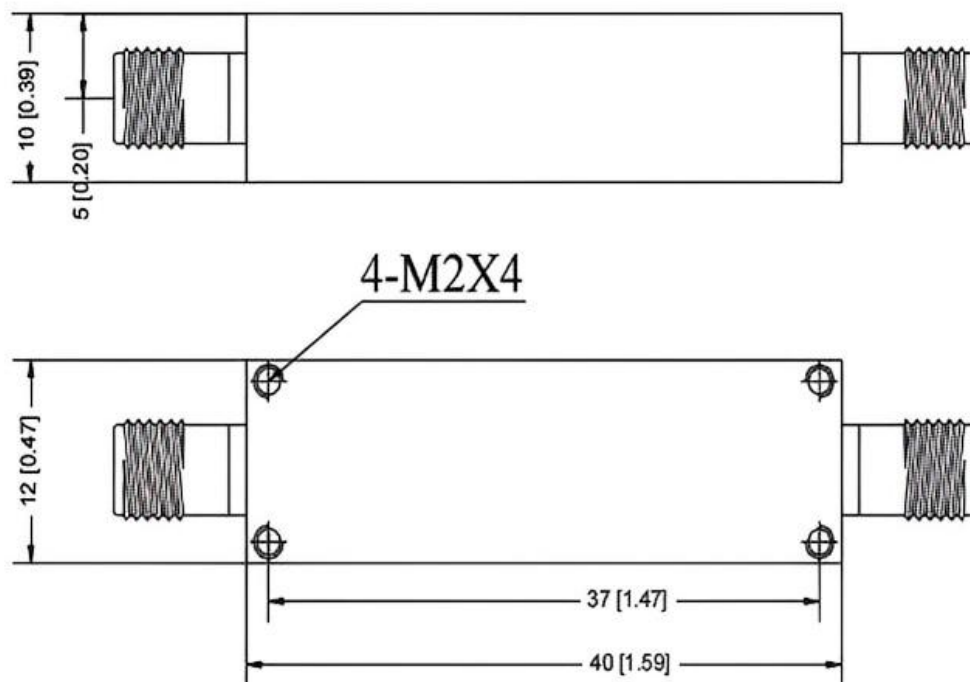
| Parameter                | Min         | Typ | Max | Units |
|--------------------------|-------------|-----|-----|-------|
| Passband Frequency range | DC          |     | 40  | MHz   |
| Passband Insertion Loss  |             |     | 1.3 | dB    |
| Pass band Ripple         |             |     | 1.0 | dB    |
| Rejection                | >40dB@50MHz |     |     |       |
| Power Handling           |             |     | 2   | W     |
| VSWR                     |             |     | 1.5 | :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

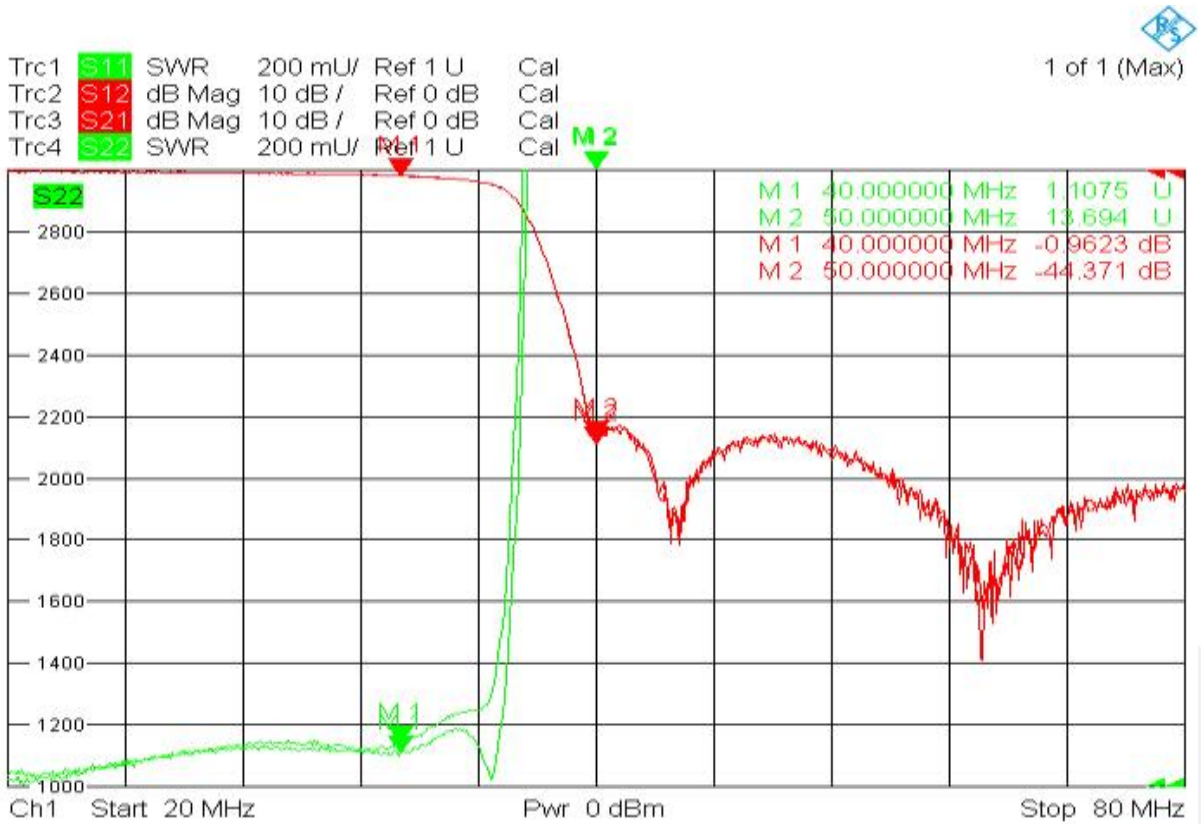


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number   | Description                                                                                             | Revision |
|---------------|---------------------------------------------------------------------------------------------------------|----------|
| TLLF-DC-40M-L | Coaxial Low-pass Filter, Passband frequency range: DC-40MHz, Passband Insertion Loss: 1.3dB, 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.