

## Coaxial Low-pass Filter

### DC-250 MHz/SMA Female

**Model: TLLF-DC-250M-L**

TLLF-DC-250M-L is a coaxial low-pass filter with a passband frequency from DC to 250 MHz and a rejection frequency @300 MHz. The maximum insertion loss of the filter is 3.0 dB and the minimum rejection is 35 dB.

#### Features:

- Passband Frequency Range DC to 250MHz
- Low Insertion Loss

#### Applications:

- Instrumentations
- Test Labs
- Sub-assemblies

#### Electrical Characteristics:

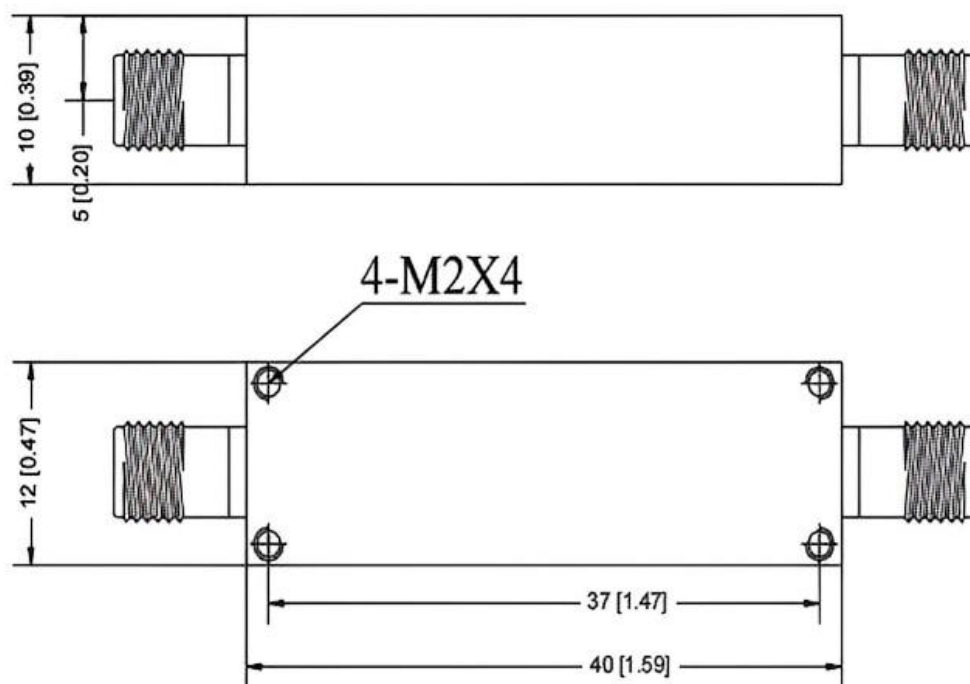
| Parameter                | Min | Typ                          | Max | Units |
|--------------------------|-----|------------------------------|-----|-------|
| Passband Frequency range | DC  |                              | 250 | MHz   |
| Passband Insertion Loss  |     |                              | 3.0 | dB    |
| Pass band Ripple         |     |                              | 1.0 | dB    |
| Group Delay              |     |                              | 10  | ns    |
| Rejection                |     | >35dB@300Mhz<br>>55dB@450Mhz |     |       |
| 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

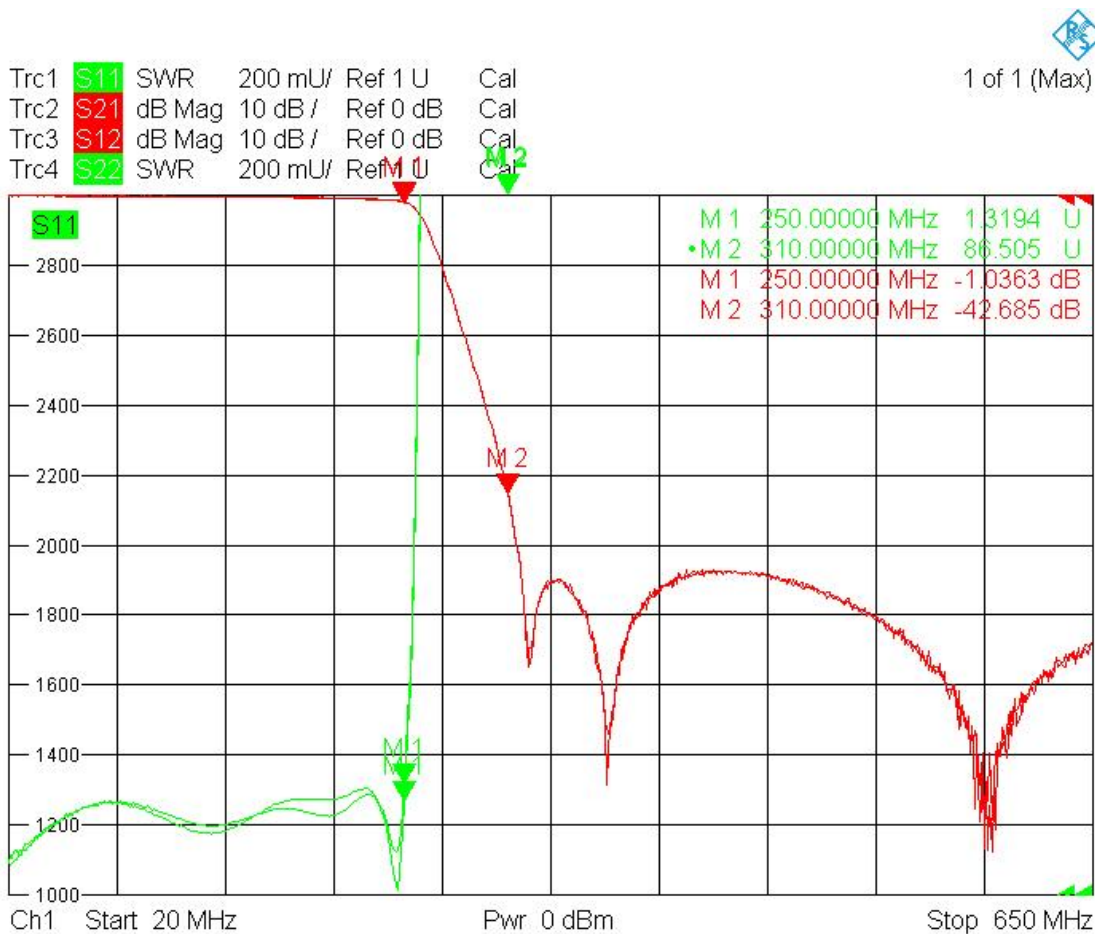


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number     | Description                                                                                              | Revision |
|-----------------|----------------------------------------------------------------------------------------------------------|----------|
| TLLF-DC-250M-L3 | Coaxial Low-pass Filter, Passband frequency range: DC-250MHz, Passband Insertion Loss: 2.0dB, 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.