

## Coaxial Band-pass Filter

### 10-50 MHz/SMA Female

**Model: TLBF-10M-50M-L**

TLBF-10M-50M-L is a coaxial band-pass filter with a passband frequency from 10 to 50 MHz and a rejection frequencies point at 3 MHz and 70 MHz. The maximum insertion loss of the filter is 2.0 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Frequency Range 10 to 50 MHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

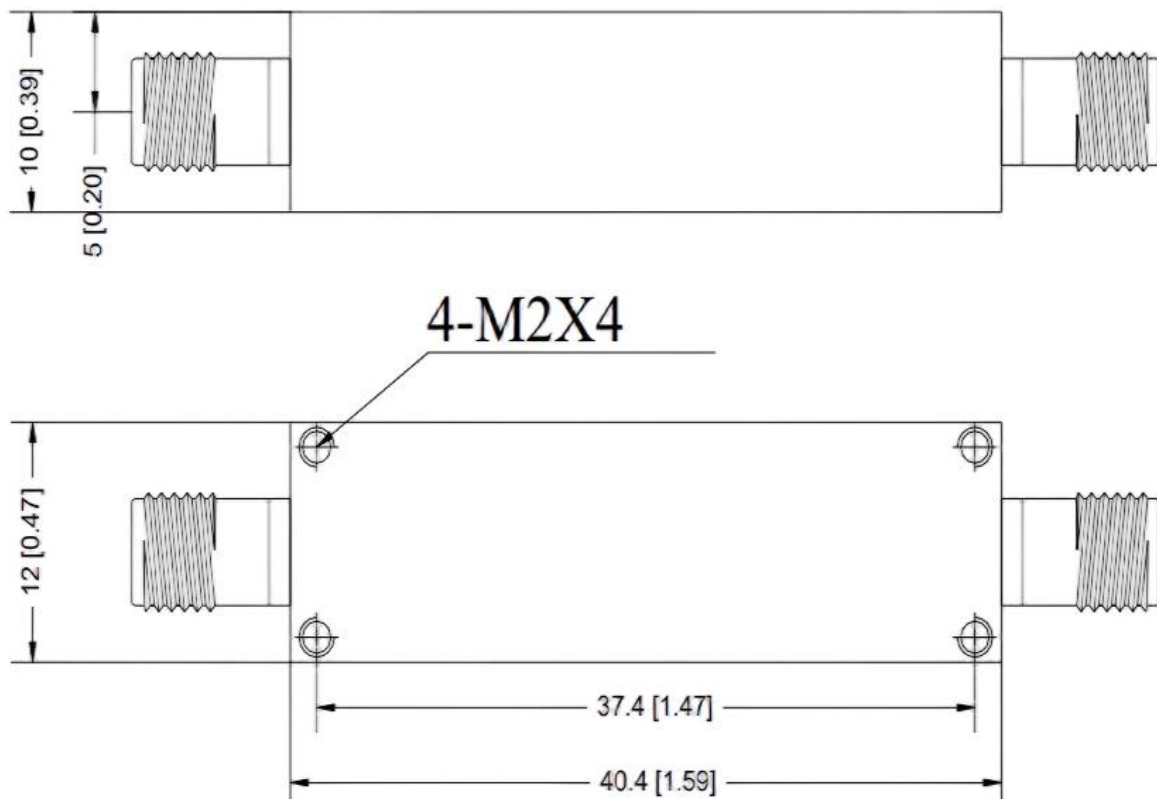
| Parameter                | Min | Typ | Max | Units |
|--------------------------|-----|-----|-----|-------|
| Passband Frequency range | 10  |     | 50  | MHz   |
| Band Width               |     |     | 40  | MHz   |
| Passband Insertion Loss  |     |     | 2.0 | dB    |
| Pass Band Ripple         |     |     | 1.8 | dB    |
| VSWR                     |     |     | 1.6 | :1    |
| Rejection@3MHz&70MHz     | 40  |     |     | dB    |
| Power Handling           |     |     | 2   | W     |
| Impedance                | 50  |     |     | Ohms  |

#### Environmental And Physical Characteristics:

| Description           | Parameter  | Units |
|-----------------------|------------|-------|
| Operating Temperature | -40 To +70 | °C    |
| Connectors            | SMA Female |       |
| Size                  | 10*12*40.4 | mm    |

## Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number    | Description                                                                                              | Revision |
|----------------|----------------------------------------------------------------------------------------------------------|----------|
| TLBF-10M-50M-L | Coaxial Band-pass Filter, Passband frequency range: 10-50MHz, 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.