

## Coaxial Band-pass Filter

### 5-20 MHz/SMA Female

**Model: TLBF-5M-20M-L**

TLBF-5M-20M-L is a coaxial band-pass filter with a passband frequency from 5 to 20 MHz and a rejection frequencies point at 2 MHz and 38 MHz. The maximum insertion loss of the filter is 3.0 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Frequency Range 5 to 20 MHz
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

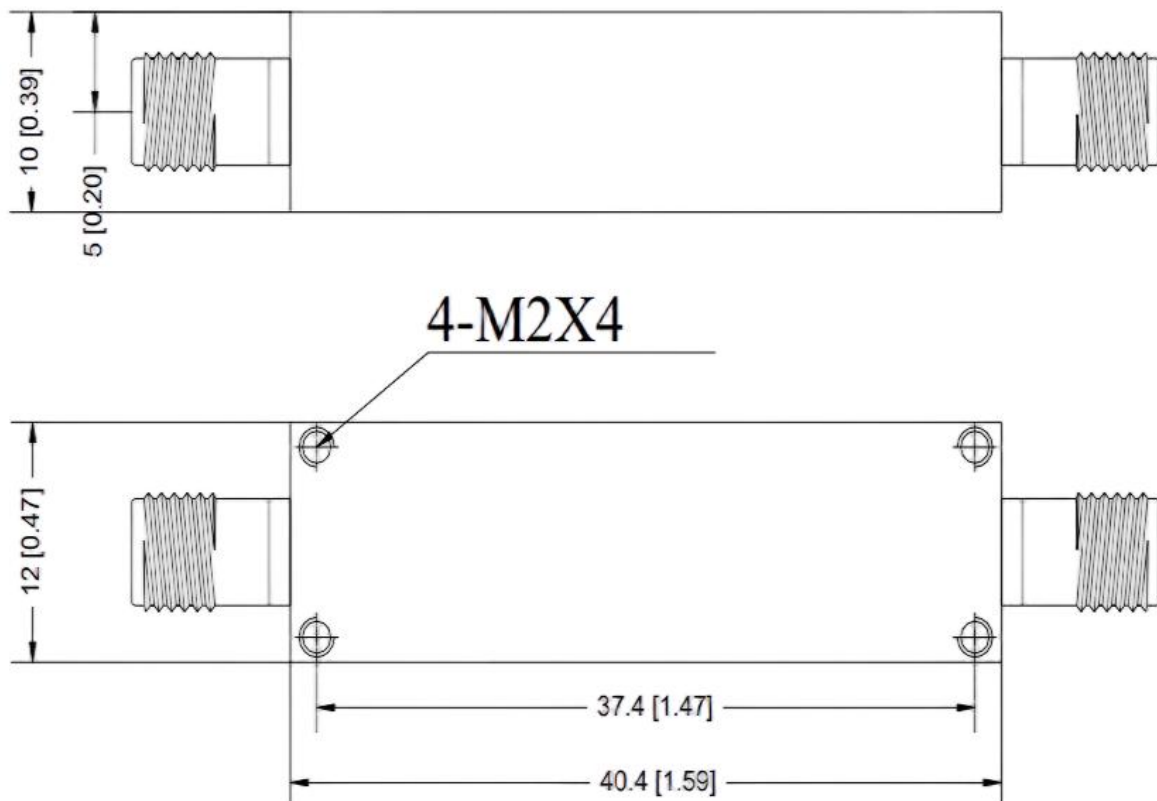
| Parameter                | Min | Typ | Max | Units |
|--------------------------|-----|-----|-----|-------|
| Passband Frequency range | 5   |     | 20  | MHz   |
| Band Width               |     |     | 15  | MHz   |
| Passband Insertion Loss  |     |     | 3.0 | dB    |
| Pass Band Ripple         |     |     | 2.6 | dB    |
| VSWR                     |     |     | 1.6 | :1    |
| Rejection@2MHz&38MHz     | 40  |     |     | dB    |
| Power Handling           |     |     | 2   | W     |
| Impedance                | 50  |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

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

## Outline Drawing:

Unit:mm

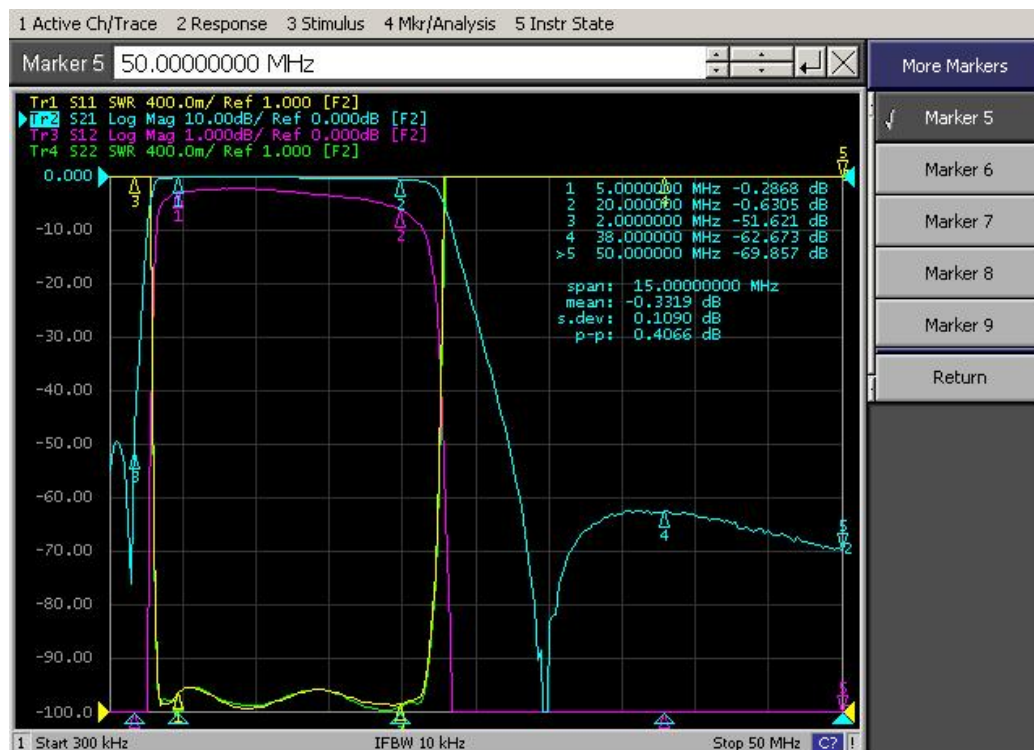


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number   | Description                                                                                             | Revision |
|---------------|---------------------------------------------------------------------------------------------------------|----------|
| TLBF-5M-20M-L | Coaxial Band-pass Filter, Passband frequency range: 5-20MHz, Passband Insertion Loss: 3.0dB, 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.