

## Coaxial Band-pass Filter

### Center Frequency 90 MHz/SMA Female

**Model: TLBF-90M-4M5-L**

TLBF-90M-4M5-L is a coaxial band-pass filter with a passband center frequency at 90 MHz and a rejection frequencies at  $f_c \pm 25$  MHz. The maximum insertion loss of the filter is 3.6 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Center Frequency 90 MHz
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

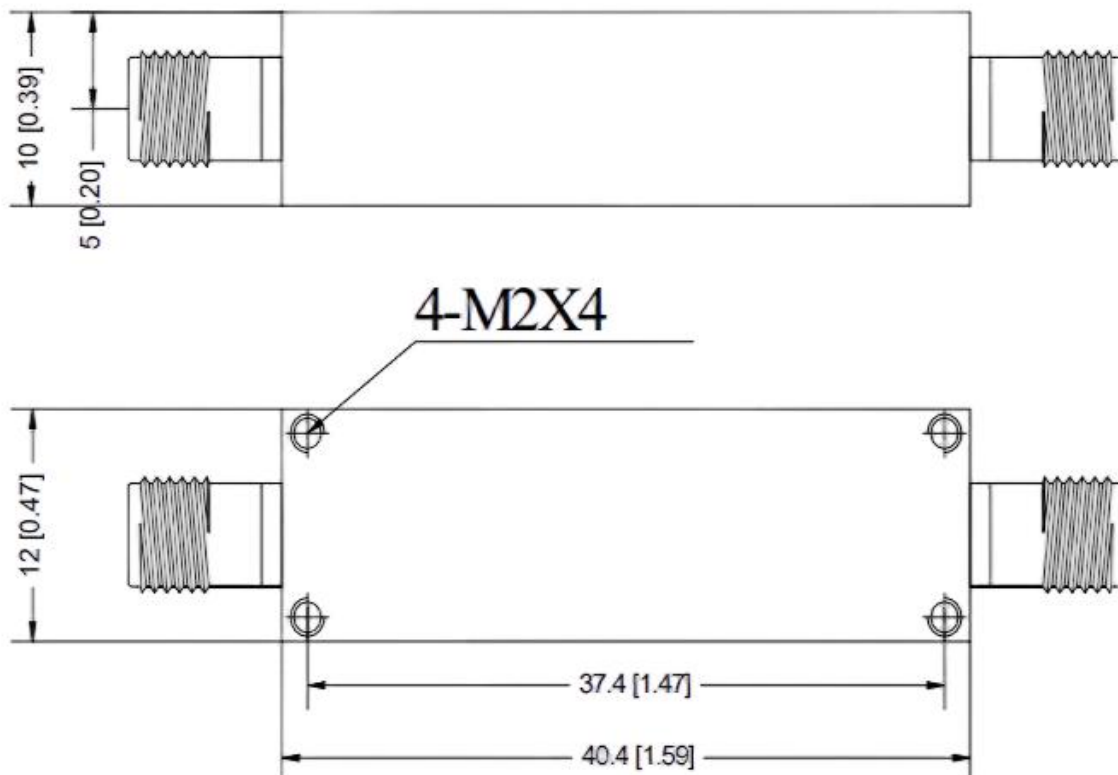
| Parameter                   | Min   | Typ | Max   | Units |
|-----------------------------|-------|-----|-------|-------|
| Passband Frequency range    | 87.75 |     | 92.25 | MHz   |
| Band Width                  |       |     | 4.5   | MHz   |
| Insertion Loss( $f_0$ )     |       |     | 3.6   | dB    |
| Pass Band Ripple            |       |     | 3.5   | dB    |
| VSWR                        |       |     | 1.6   | :1    |
| Rejection@ $f_c \pm 25$ MHz | 40    |     |       | dB    |
| Power Handling              |       |     | 2     | W     |
| Impedance                   | 50    |     |       | Ohms  |

#### Envrionmental 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

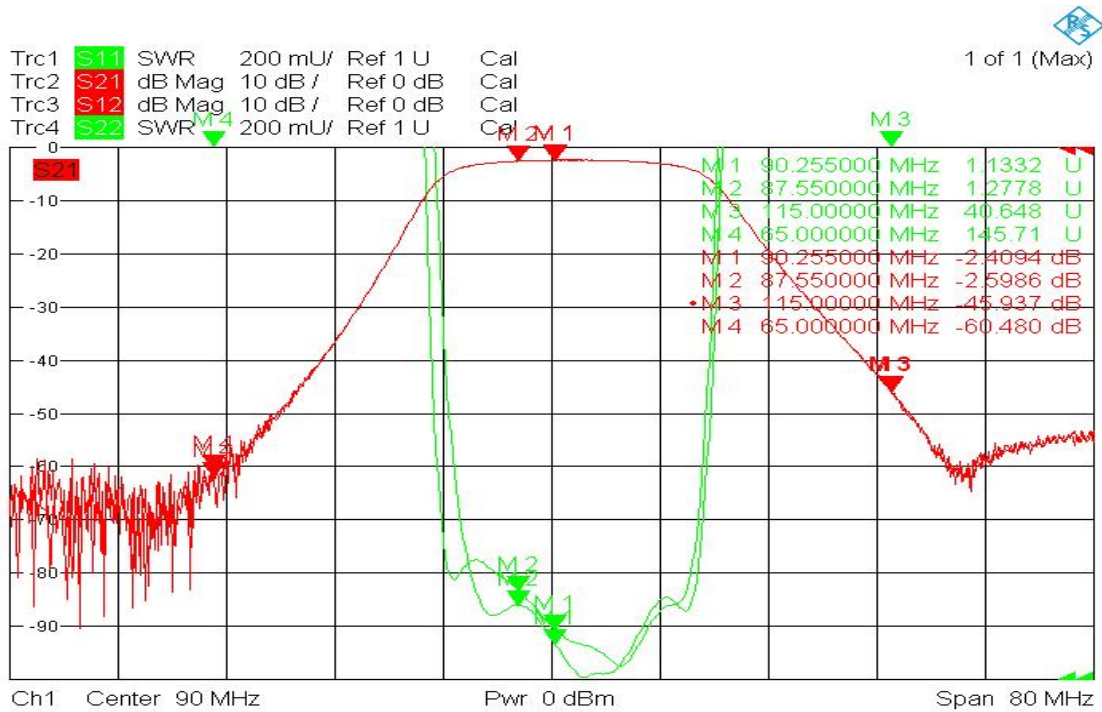


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number    | Description                                                                                       | Revision |
|----------------|---------------------------------------------------------------------------------------------------|----------|
| TLBF-90M-4M5-L | Coaxial Band-pass Filter, Passband center frequency: 90MHz, Insertion Loss(f0): 3.6dB, 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.