

## Coaxial Band-pass Filter

### Center Frequency 700 MHz/SMA Female

**Model: TLBF-700M-100M-L**

TLBF-700M-100M-L is a coaxial band-pass filter with a passband center frequency at 700 MHz and a rejection frequencies at  $f_c \pm 80$  MHz. The maximum insertion loss of the filter is 3.0 dB and the minimum rejection is 50 dB.

#### Features:

- Passband Center Frequency 700 MHz
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

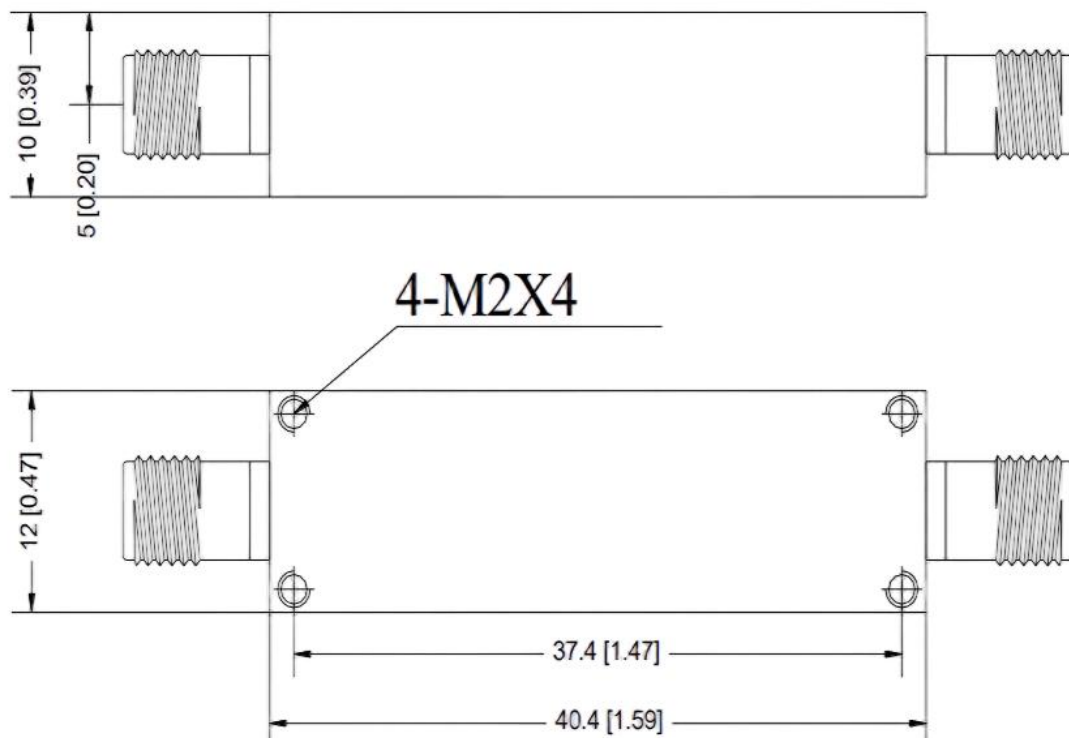
### 电气特性 Electrical Characteristics:

| 参数 Parameter                     | Min | Typ | Max | 单位 Units |
|----------------------------------|-----|-----|-----|----------|
| 通带频率范围 Passband Frequency range  | 650 |     | 750 | MHz      |
| 带宽 Band Width                    |     |     | 100 | MHz      |
| 通带插损 Passband Insertion Loss     |     |     | 3.0 | dB       |
| 带内纹波 Pass Band Ripple            |     |     | 2.3 | dB       |
| 驻波 VSWR                          |     |     | 1.7 | :1       |
| 带外抑制 Rejection@ $f_c \pm 80$ MHz | 50  |     |     | dB       |
| 耐受功率 Power Handling              |     |     | 2   | W        |
| 阻抗 Impedance                     | 50  |     |     | Ohms     |

### 环境和机械特性 Envirionmental And Physical Characteristics:

| 类型 Description             | 参数 Parameter | 单位 Units |
|----------------------------|--------------|----------|
| 操作温度 Operating Temperature | -40 To +70   | °C       |
| 接口 Connectors              | SMA Female   |          |
| 尺寸 Size                    | 10*12*40.4   | mm       |

外形图 Outline Drawing: Unit:mm



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

订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                          | 版本号 Revision |
|------------------|---------------------------------------------------------------------------------------------------------|--------------|
| TLBF-700M-100M-L | Coaxial Band-pass Filter, Passband center frequency: 700MHz, Passband Insertion Loss: 3.0dB, SMA Female | Rev.1.0      |