

## Coaxial Band-pass Filter

### 1900-2300 MHz/SMA Female

**Model: TLBF-2G1-400M-E**

TLBF-2G1-400M-E is a coaxial band-pass filter with a passband frequency from 1900 to 2300 MHz and a rejection frequencies at  $f_0 \pm 900$  MHz. The maximum insertion loss of the filter is 1.2 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Frequency Range 1900 to 2300 MHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

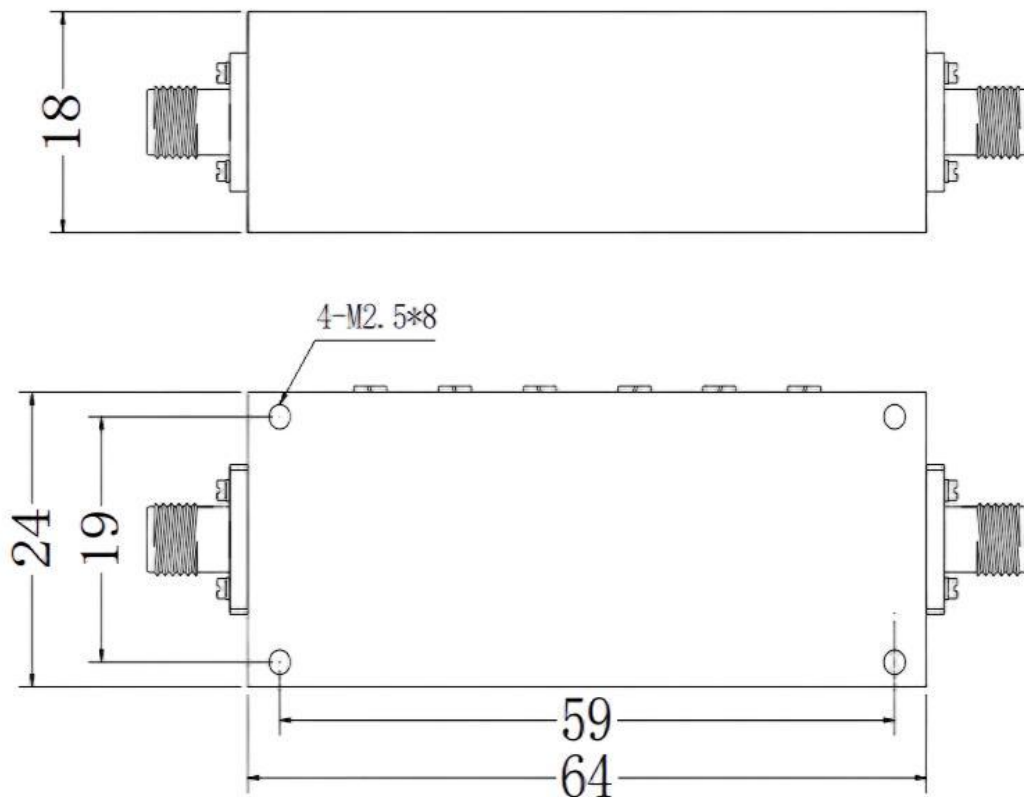
| Parameter                    | Min  | Typ | Max  | Units |
|------------------------------|------|-----|------|-------|
| Passband Frequency range     | 1900 |     | 2300 | MHz   |
| Band Width                   |      |     | 400  | MHz   |
| Insertion Loss( $f_0$ )      |      |     | 1.2  | dB    |
| Pass Band Ripple             |      |     | 0.8  | dB    |
| VSWR                         |      |     | 1.6  | :1    |
| Rejection@ $f_0 \pm 900$ MHz | 40   |     |      | dB    |
| Power Handling               |      |     | 50   | W     |
| Impedance                    | 50   |     |      | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -40 To +70 | °C    |
| Connectors           | SMA Female |       |
| Size                 | 18*24*64   | mm    |

## Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number     | Description                                                                                             | Revision |
|-----------------|---------------------------------------------------------------------------------------------------------|----------|
| TLBF-2G1-400M-E | Coaxial Band-pass Filter, Passband frequency range: 1900-2300MHz, Insertion Loss(f0): 1.2dB, SMA Female | Rev.1.0  |