

## Coaxial Band-pass Filter

### 5.475-5.525GHz/SMA Female

**Model: TLBF-5G5-50M-E**

TLBF-5G5-50M-E is a coaxial band-pass filter with a passband frequency from 5.475 to 5.525 GHz and a rejection frequencies from 5.24 GHz to 5.76 GHz. The maximum insertion loss of the filter is 2.4 dB and the typical rejection is 50 dB.

#### Features:

- Passband Frequency Range 5.475 to 5.525 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

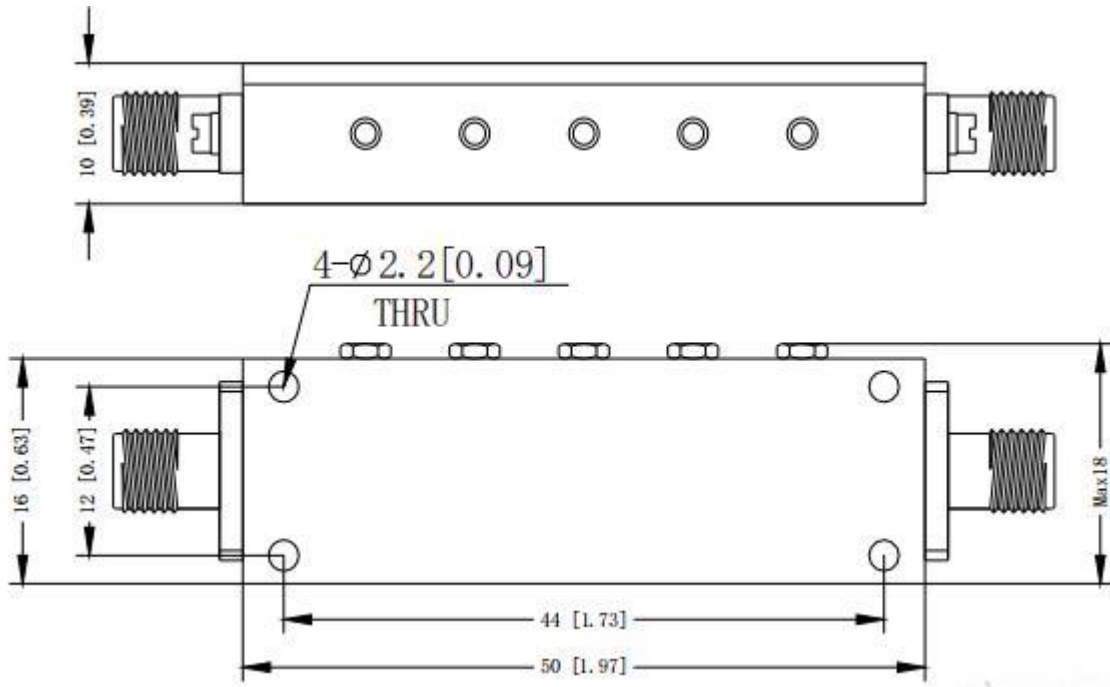
| Parameter                | Min             | Typ | Max   | Units |
|--------------------------|-----------------|-----|-------|-------|
| Passband Frequency range | 5.475           |     | 5.525 | GHz   |
| Band Width               |                 |     | 0.05  | GHz   |
| Passband Insertion Loss  |                 |     | 2.4   | dB    |
| Pass Band Ripple         |                 |     | 2.2   | dB    |
| Rejection                | >50dB@F0±260Mhz |     |       |       |
| Power Handling           |                 |     | 15    | W     |
| VSWR                     |                 |     | 1.6   | :1    |
| Impedance                | 50              |     |       | Ohms  |

#### Environmental And Physical Characteristics:

| Description           | Parameter  | Units |
|-----------------------|------------|-------|
| Operating Temperature | -40 To +70 | °C    |
| Connectors            | SMA Female |       |

Outline Drawing:

Unit:mm



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

Ordering Information:

| Base Number    | Description                                                                                           | Revision |
|----------------|-------------------------------------------------------------------------------------------------------|----------|
| TLBF-5G5-50M-E | Coaxial Band-pass Filter, Passband frequency range: 5.475-5.525GHz, Insertion Loss: 2.4dB, SMA Female | Rev.1.0  |