

## Coaxial Band-pass Filter

### 5.355-5.455GHz/SMA Female

**Model: TLBF-5G405-100M-E**

TLBF-5G405-100M-E is a coaxial band-pass filter with a passband frequency from 5.355 to 5.455 GHz and a rejection frequencies from 5.165 GHz to 5.645 GHz. The maximum insertion loss of the filter is 2.0 dB and the typical rejection is 50 dB.

#### Features:

- Passband Frequency Range 5.355 to 5.455 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

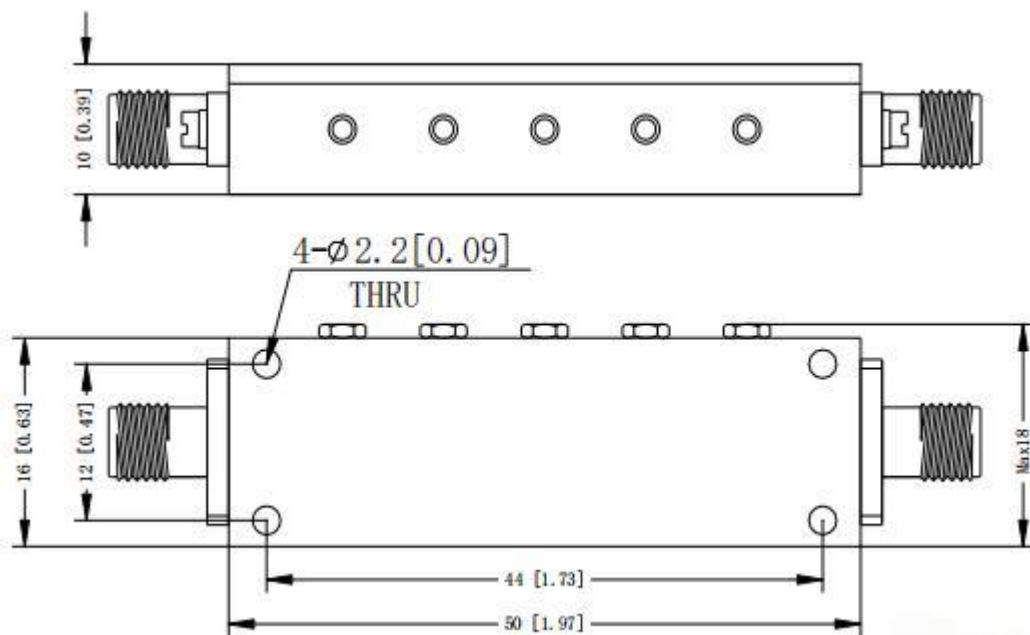
| Parameter                | Min              | Typ | Max   | Units |
|--------------------------|------------------|-----|-------|-------|
| Passband Frequency range | 5.355            |     | 5.455 | GHz   |
| Band Width               |                  |     | 0.1   | GHz   |
| Passband Insertion Loss  |                  |     | 2.0   | dB    |
| Pass Band Ripple         |                  |     | 1.8   | dB    |
| Rejection                | >50dB@F0+-240Mhz |     |       | dB    |
| Power Handling           |                  |     | 15    | W     |
| VSWR                     |                  |     | 1.5   | :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-5G405-100M-E | Coaxial Band-pass Filter, Passband frequency range: 5.355-5.455GHz, Insertion Loss: 2.0dB, SMA Female | Rev.1.0  |