

## Coaxial Band-pass Filter

### 12.2-12.85 GHz/SMA Female

**Model: TLBF-12G2-12G85-S**

TLBF-12G2-12G85-S is a coaxial band-pass filter with a passband frequency from 12.2 to 12.85 GHz and a rejection frequencies @11.95 GHz and 13.1 GHz. The maximum insertion loss of the filter is 1.0 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 12.2 to 12.85 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

### 电气特性 Electrical Characteristics:

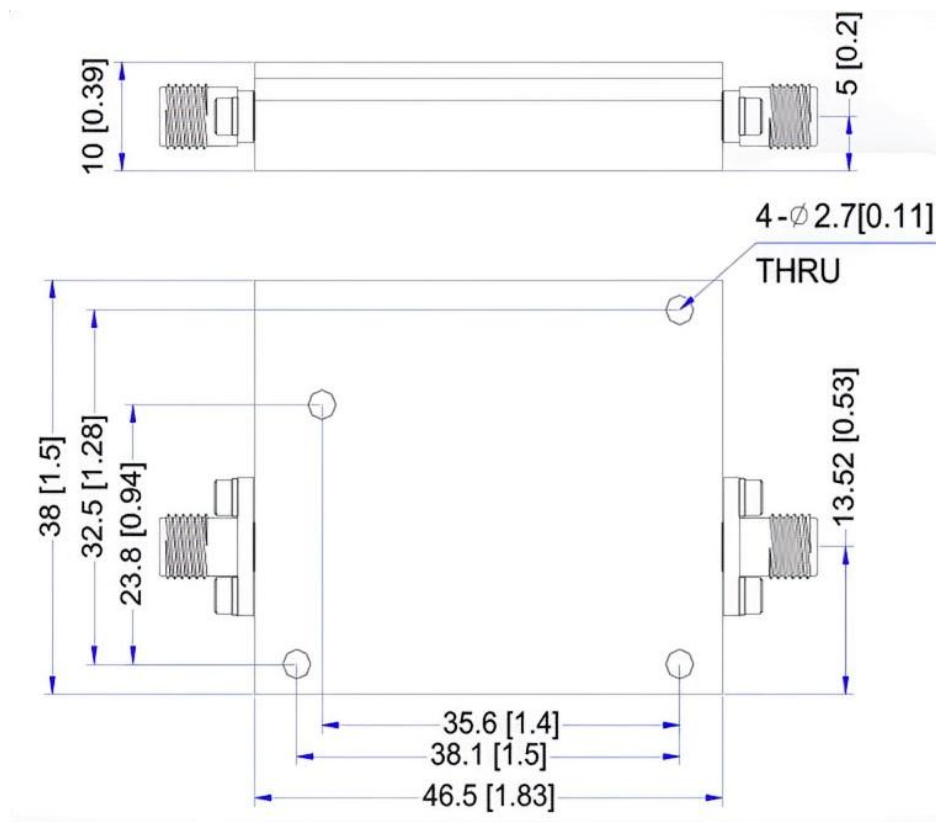
| Parameter                | Min                  | Typ | Max   | Units |
|--------------------------|----------------------|-----|-------|-------|
| Passband Frequency range | 12.2                 |     | 12.85 | GHz   |
| Passband Insertion Loss  |                      |     | 1.0   | dB    |
| Rejection                | ≥40dBc@11.95&13.1GHz |     |       | dB    |
| Power Handling           |                      |     | 10    | W     |
| VSWR                     |                      |     | 1.5   | :1    |
| Impedance                | 50                   |     |       | Ohms  |

### Environmental And Physical Characteristics:

| Description           | Parameter  | Units |
|-----------------------|------------|-------|
| Operating Temperature | -55 To +85 | °C    |
| Connectors            | SMA Female |       |
| Weight                | /          | g     |

## 外形图 Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number       | Description                                                                                                   | Revision |
|-------------------|---------------------------------------------------------------------------------------------------------------|----------|
| TLBF-12G2-12G85-S | Coaxial Band-pass Filter, Passband frequency range: 12.2-12.85GHz, Passband Insertion Loss: 1.0dB, SMA Female | Rev.1.0  |