

## Coaxial Band-pass Filter

### 14.42-14.5 GHz/SMA Female

**Model: TLBF-14G46-80M-E**

TLBF-14G46-80M-E is a coaxial band-pass filter with a passband frequency from 14.42 to 14.5 GHz and a rejection frequency @13.35 GHz. The maximum insertion loss of the filter is 2.0 dB and the typical rejection is 50 dB.

#### Features:

- Passband Frequency Range 14.42 to 14.5 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

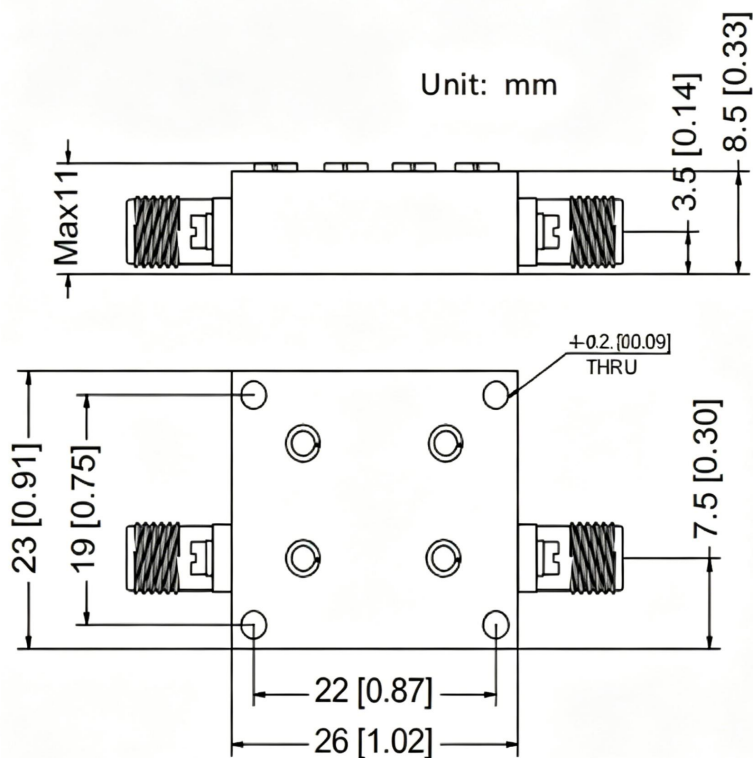
| Parameter                | Min             | Typ | Max  | Units |
|--------------------------|-----------------|-----|------|-------|
| Passband Frequency range | 14.42           |     | 14.5 | GHz   |
| Band Width               |                 |     | 80   | MHz   |
| Insertion Loss           |                 |     | 2.0  | dB    |
| Pass Band Ripple         |                 |     | 1.8  | dB    |
| Rejection                | >50dBc@13.35Ghz |     |      | dB    |
| Power Handling           |                 |     | 30   | W     |
| VSWR                     |                 |     | 1.5  | :1    |
| Impedance                | 50              |     |      | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -40 To +70 | °C    |
| Connectors           | SMA Female |       |
| Weight               | /          | g     |

## Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number      | Description                                                                                                   | Revision |
|------------------|---------------------------------------------------------------------------------------------------------------|----------|
| TLBF-14G46-80M-E | Coaxial Band-pass Filter, Passband frequency range: 14.42-14.5GHz, Passband Insertion Loss: 2.0dB, SMA Female | Rev.1.0  |