

## Coaxial Band-pass Filter

### 13.5-14 GHz/SMA Female

**Model: TLBF-13G5-14G-S**

TLBF-13G5-14G-S is a coaxial band-pass filter with a passband frequency from 13.5 to 14 GHz and a rejection frequencies @13.25 GHz and 14.25GHz. The maximum insertion loss of the filter is 1.0 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 13.5 to 14 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

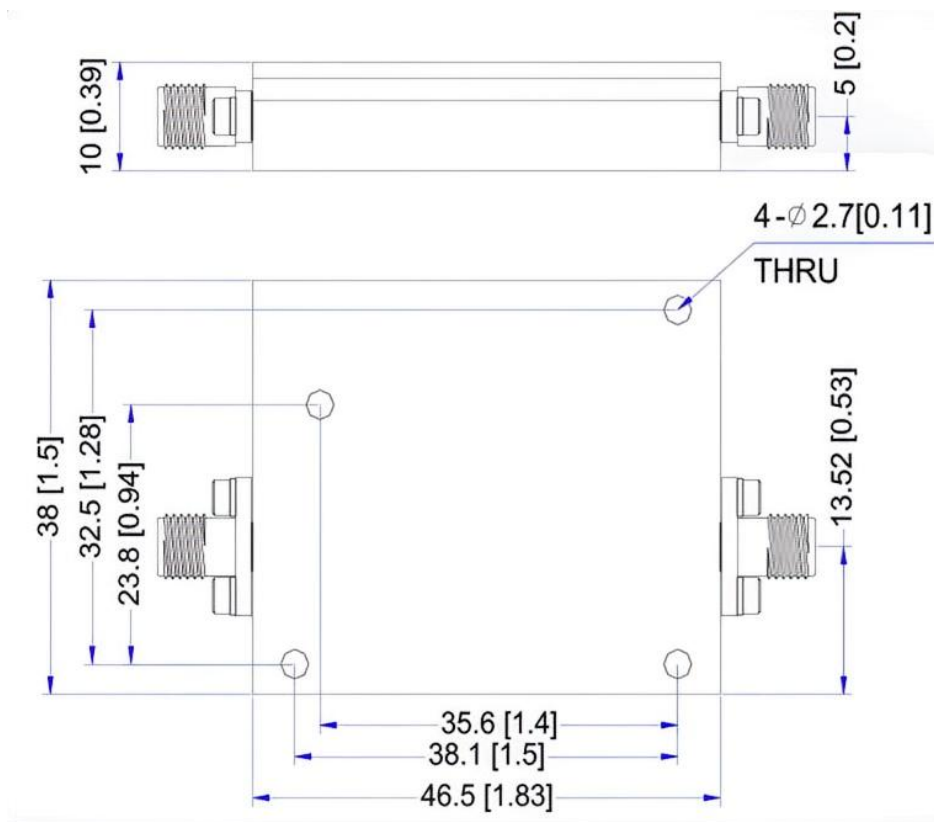
| Parameter                | Min                   | Typ | Max | Units |
|--------------------------|-----------------------|-----|-----|-------|
| Passband Frequency range | 13.5                  |     | 14  | GHz   |
| Passband Insertion Loss  |                       |     | 1.0 | dB    |
| Rejection                | ≥40dBc@13.25&14.25GHz |     |     | dB    |
| Power Handling           |                       |     | 10  | W     |
| VSWR                     |                       |     | 1.5 | :1    |
| Impedance                | 50                    |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

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

## Outline Drawing:

Unit:mm

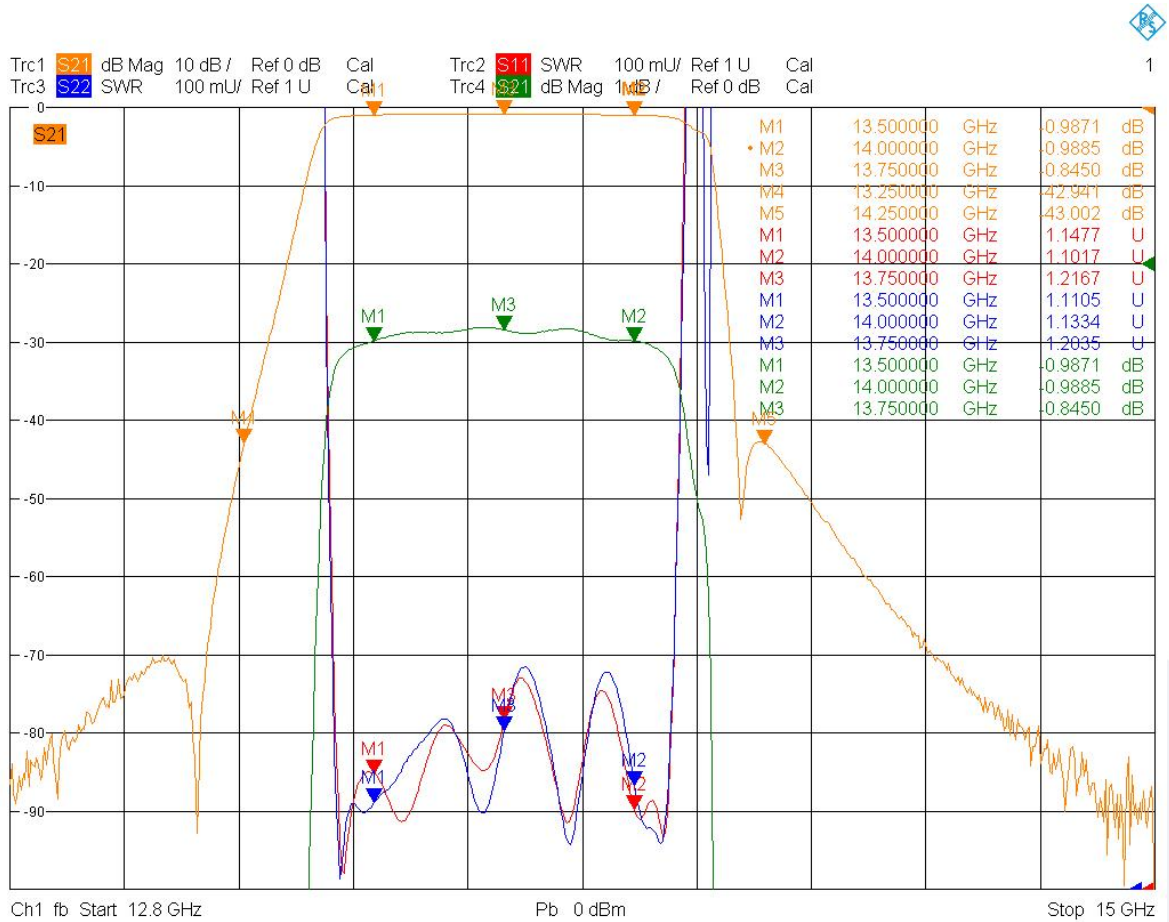


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number     | Description                                                                                                | Revision |
|-----------------|------------------------------------------------------------------------------------------------------------|----------|
| TLBF-13G5-14G-S | Coaxial Band-pass Filter, Passband frequency range: 13.5-14GHz, Passband Insertion Loss: 1.0dB, SMA Female | Rev.1.0  |

## Typical Performance Data:



7/18/2025, 2:23 PM

Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.