

## Coaxial Band-pass Filter

### 11-13 GHz/SMA Female/SMA Male

### Model: TLBF-12G-2G-E

TLBF-12G-2G-E is a coaxial band-pass filter with a passband frequency from 11 to 13 GHz and a rejection frequencies from DC-9GHz and 15 GHz. The maximum insertion loss of the filter is 1.0 dB and the typical rejection is 70 dB.

#### Features:

- Passband Frequency Range 11 to 13 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

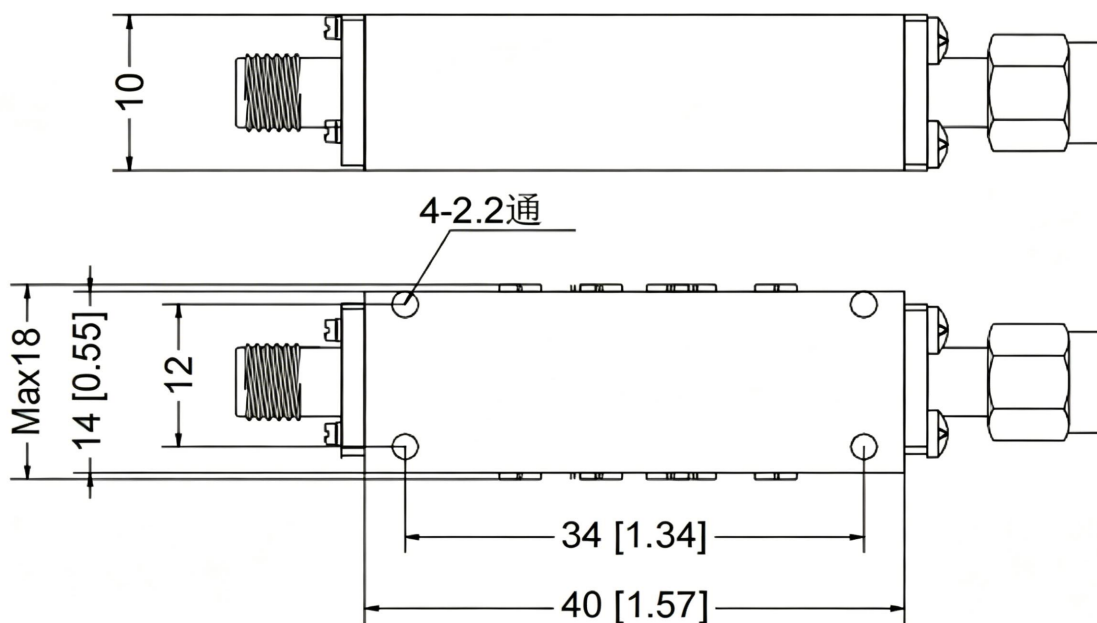
| Parameter                | Min                    | Typ | Max | Units |
|--------------------------|------------------------|-----|-----|-------|
| Passband Frequency range | 11                     |     | 13  | GHz   |
| Band Width               |                        |     | 2   | GHz   |
| Passband Insertion Loss  |                        |     | 1.0 | dB    |
| Pass Band Ripple         | 0.6                    |     |     | dB    |
| Group Delay Flatness     | 0.8                    |     |     | ns    |
| Rejection                | >70dB@DC-9Ghz<br>15Ghz |     |     | dB    |
| Power Handling           |                        |     | 15  | W     |
| VSWR                     |                        |     | 1.4 | :1    |
| Impedance                | 50                     |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

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

Outline Drawing:

Unit:mm

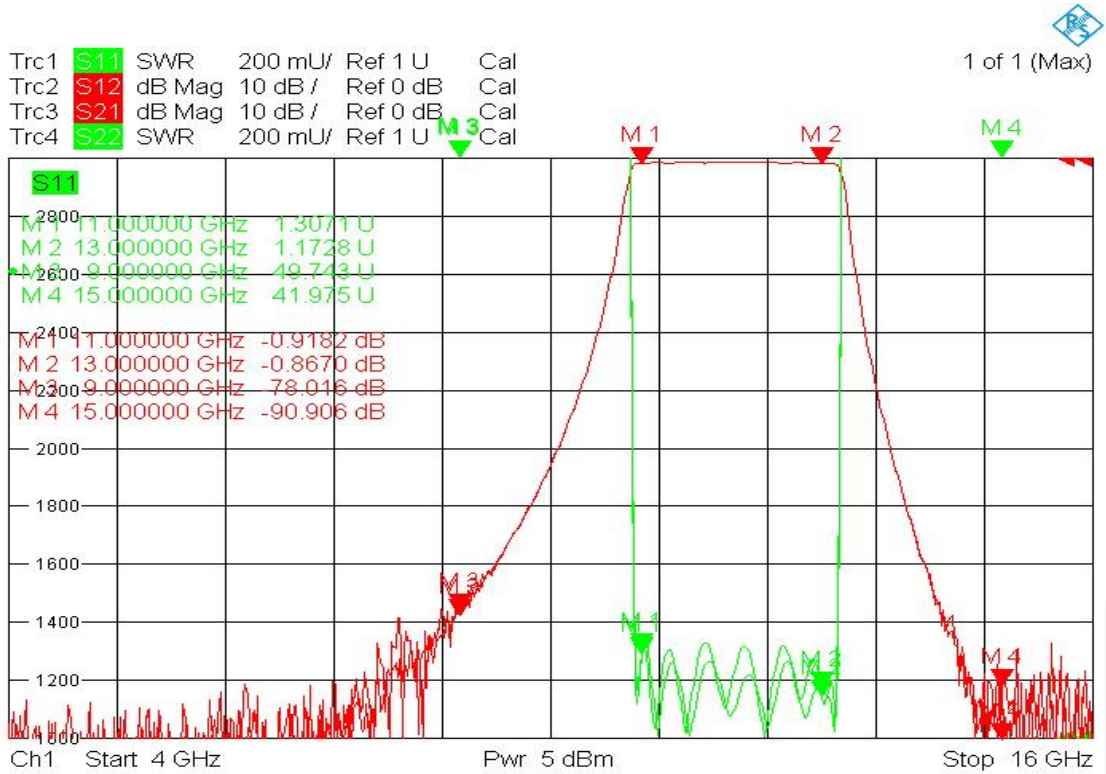


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number   | Description                                                                                                       | Revision |
|---------------|-------------------------------------------------------------------------------------------------------------------|----------|
| TLBF-12G-2G-E | Coaxial Band-pass Filter, Passband frequency range: 11-13GHz, Passband Insertion Loss: 1.0dB, SMA Female/SMA Male | Rev.1.0  |

## Typical Performance Data:



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.