

## Coaxial Band-pass Filter

### 6.24-6.26 GHz/SMA Female

**Model: TLBF-6G25-20M-E**

TLBF-6G25-20M-E is a coaxial band-pass filter with a passband frequency from 6.24 to 6.26 GHz and a rejection frequencies from 6.15 GHz to 6.35 GHz. The maximum insertion loss of the filter is 3.0 dB and the typical rejection is 40 dB.

#### Features:

- Passband Frequency Range 6.24 to 6.26 GHz
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

#### Electrical Characteristics:

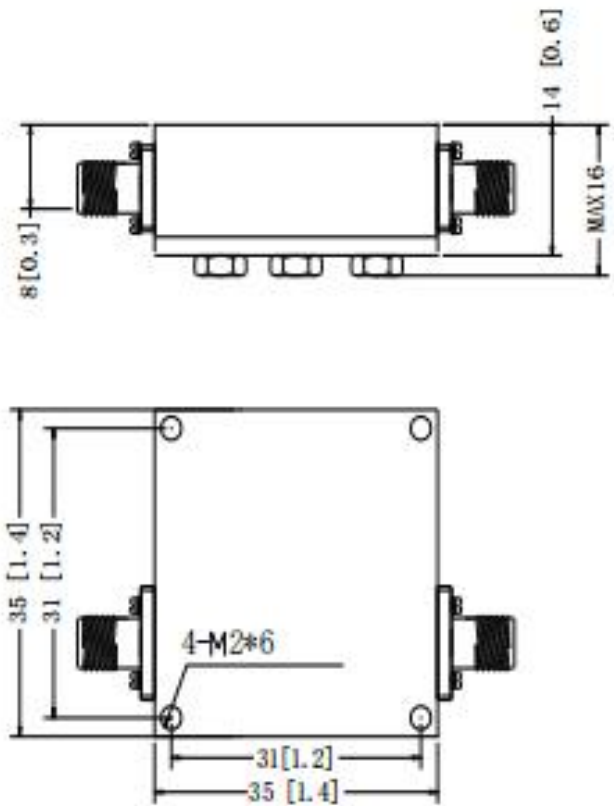
| Parameter                | Min             | Typ | Max  | Units |
|--------------------------|-----------------|-----|------|-------|
| Passband Frequency range | 6.24            |     | 6.26 | GHz   |
| Band Width               |                 |     | 0.02 | GHz   |
| Passband Insertion Loss  |                 |     | 3.0  | dB    |
| Pass Band Ripple         |                 |     | 2.8  | dB    |
| Rejection                | >40dB@f0±100MHZ |     |      |       |
| Power Handling           |                 |     | 50   | W     |
| VSWR                     |                 |     | 1.6  | :1    |
| Impedance                | 50              |     |      | Ohms  |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -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-6G25-20M-E | Coaxial Band-pass Filter, Passband frequency range: 6.24-6.26GHz, Passband Insertion Loss: 3.0dB, SMA Female | Rev.1.0  |