

## Coaxial Band-pass Filter

### 6.7-7 GHz/SMA Female

### Model: TLBF-6G7-7G-E

TLBF-6G7-7G-E is a coaxial band-pass filter with a passband frequency from 6.7 to 7 GHz and a rejection frequencies from DC-6.5 GHz. The maximum insertion loss of the filter is 1.5 dB and the typical rejection is 30 dB.

#### Features:

- Passband Frequency Range 6.7 to 7 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

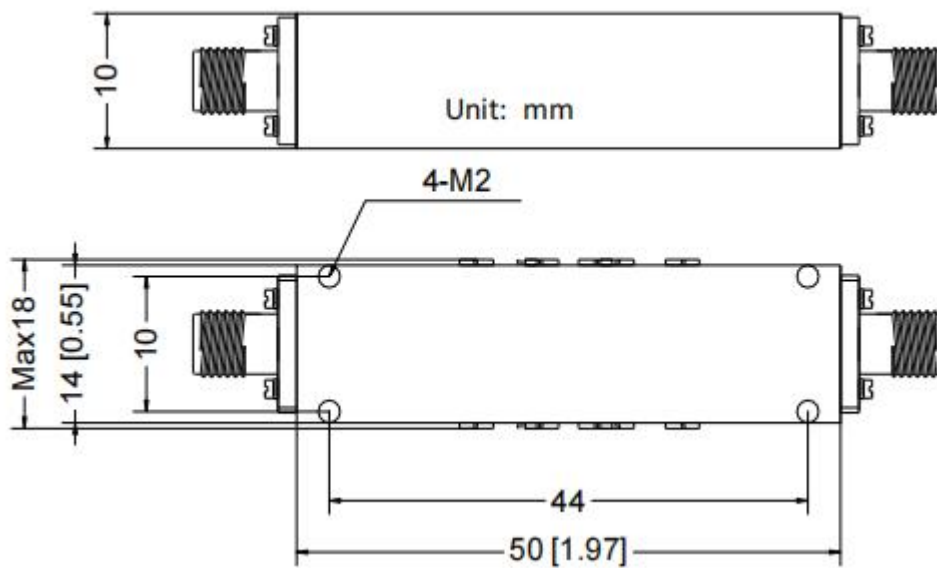
#### Electrical Characteristics:

| Parameter                | Min             | Typ | Max | Units |
|--------------------------|-----------------|-----|-----|-------|
| Passband Frequency range | 6.7             |     | 7   | GHz   |
| Band Width               |                 |     | 0.3 | GHz   |
| Passband Insertion Loss  |                 |     | 1.5 | dB    |
| Pass Band Ripple         |                 |     | 1.3 | dB    |
| Rejection                | >30dB@DC-6.5Ghz |     |     | dB    |
| Power Handling           |                 |     | 15  | W     |
| VSWR                     |                 |     | 1.5 | :1    |
| Impedance                | 50              |     |     | Ohms  |

#### Envrionmental And Physical Characteristics:

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

Outline Drawing: Unit:mm

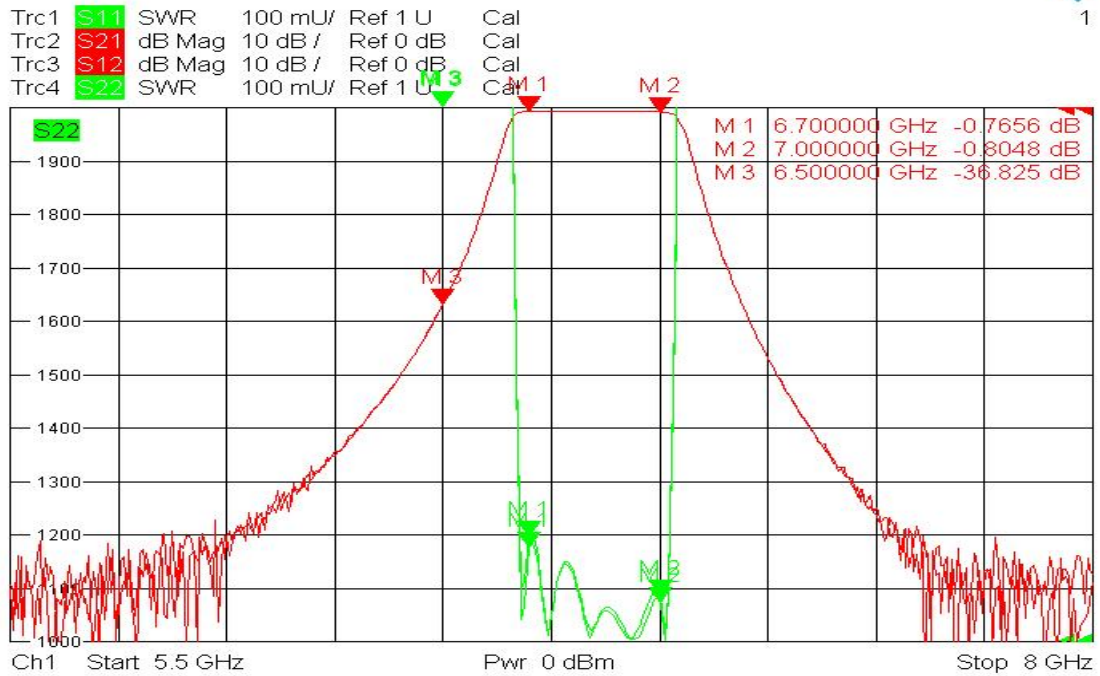


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

| Base Number   | Description                                                                                              | Revision |
|---------------|----------------------------------------------------------------------------------------------------------|----------|
| TLBF-6G7-7G-E | Coaxial Band-pass Filter, Passband frequency range: 6.7-7GHz, Passband Insertion Loss: 1.5dB, SMA Female | 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.