Suzhou Talent Microwave,Inc
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# Coaxial Band-pass Filter

## Center Frequency 1.42 GHz/SMA Female

## Model: TLBF-1G42-80M-E

TLBF-1G42-80M-E is a coaxial band-pass filter with a passband center frequency at 1.42 GHz and a rejection frequencies at f0±150 MHz. The maximum insertion loss of the filter is 1.2 dB and the minimum rejection is 45 dB.

### Features:

- Passband Center Frequency 1.42 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 | 1.38 | | 1.46 | GHz |
| Band Width | | | 80 | MHz |
| Passband Insertion Loss | | 0.8 | 1.2 | dB |
| Pass Band Ripple | | | 1.0 | dB |
| VSWR | | | 1.4 | :1 |
| Rejection@f0±150MHz | 45 | | | dB |
| Power Handling | | | 15 | W |
| Impedance | 50 | | | Ohms |

### Envrionmental And Physical Characteristics:

| Description | Parameter | Units |
|---|---|---|
| Operating Temerature | -40 To +70 | ℃ |
| Connectors | SMA Female | |
| Size | 22*24*85 | mm |

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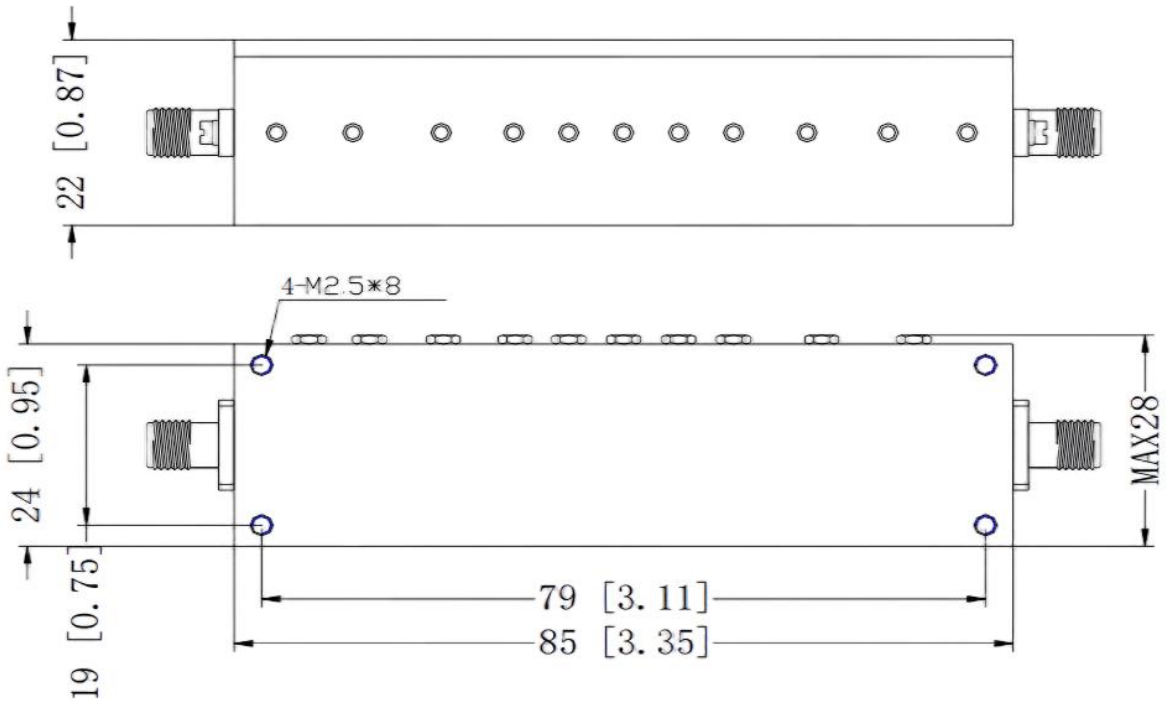
## Outline Drawing:

Unit:mm




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

## Ordering Information:

| Base Number | Description | Revision |
|---|---|---|
| TLBF-1G42-80M-E | Coaxial Band-pass Filter,Passband center frequency: 1.42GHz,Passband Insertion Loss:1.2dB, SMA Female | Rev.1.0 |

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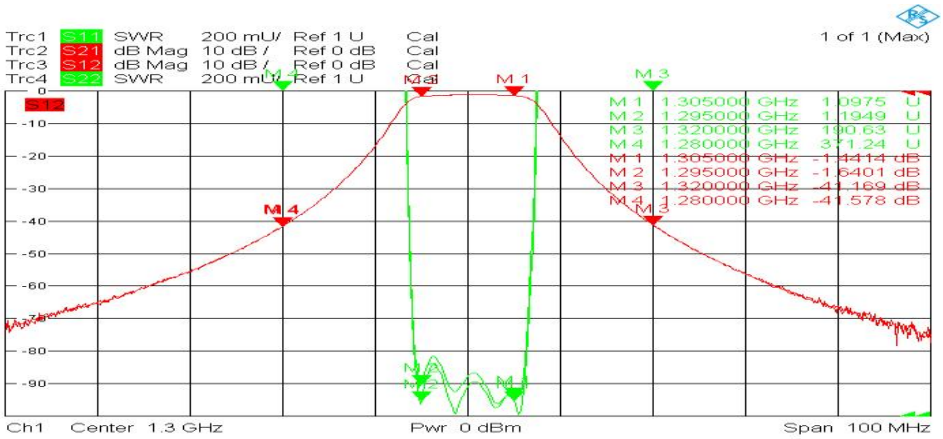
## Typical Performance Data:




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.