Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

# Coaxial Band-pass Filter

## 2.396-2. 408GHz/ SMA Female

## Model: TBF-2402-12

TBF-2402-12 is a coaxial band-pass filter with a passband frequency from 2.396 to 2.408GHz and a rejection frequencies at 2.382GHz and at 2.422GHz. The nominal insertion loss of the filter is 2.5dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range 2.396 to 2.408GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

### Electrical Characteristics:

| Parameter | Min | Typ | Max | Units |
|---|---|---|---|---|
| Passband Frequency range | 2.396 | | 2.408 | GHz |
| Passband Insertion Loss | | | 2.5 | dB |
| Pass Band Ripple | | | 2.3 | dB |
| Rejection | >40dB@fo±20Mhz | | | dB |
| Power Handling | | | 15 | W |
| Input VSWR | | | 1.5 | :1 |
| Output VSWR | | | 1.5 | :1 |
| Impedance | 50 | | | Ohms |

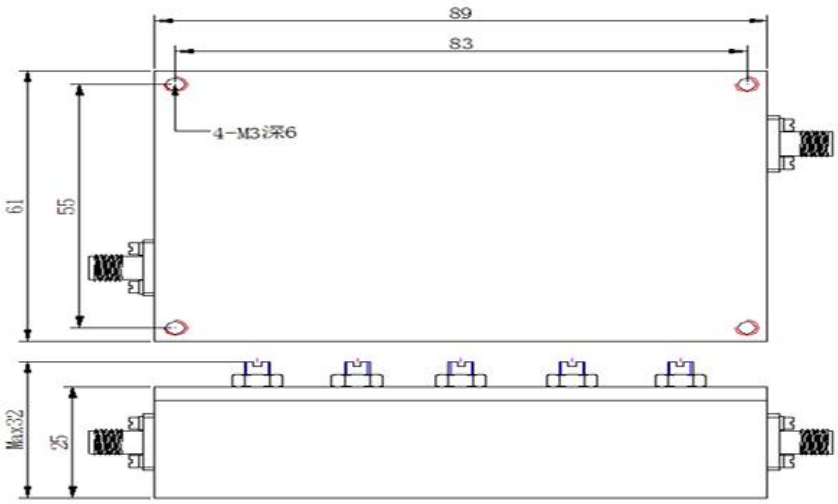
### Envrionmental And Physical Characteristics:

| Description | Parameter | Units |
|---|---|---|
| Operating Temerature | -40 To +70 | ℃ |
| Storage Temerature | -40 to +70 | ℃ |
| Connectors | SMA Female | |

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

## Outline Drawing:

Unit:mm;




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

## Ordering Information:

| Base Number | Description | Revision |
|---|---|---|
| TBF-2402-12 | Coaxial Band-pass Filter,Passband frequency range:2.396 to 2.408GHz ,Passband Insertion Loss:2.5dB, SMA Female | Rev.1.0 |

Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

## 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.