

## Coaxial Band-pass Filter

### Center Frequency 1.2 GHz/SMA Female

**Model: TBF-1200-12-C6**

TBF-1200-12-C6 is a coaxial band-pass filter with a passband center frequency at 1.2 GHz and a rejection frequencies at  $f_0 \pm 20$  MHz. The maximum insertion loss of the filter is 1.3 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Center Frequency 1.2 GHz
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

### 电气特性 Electrical Characteristics:

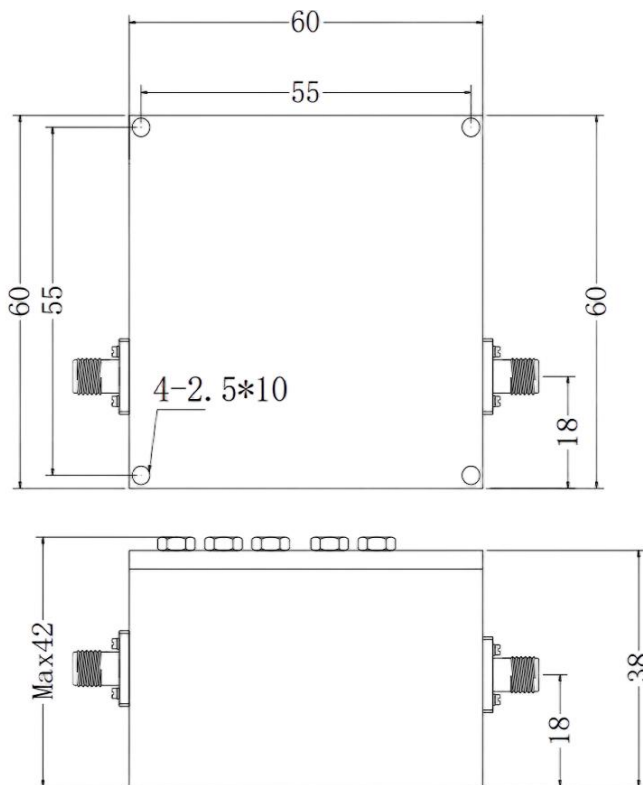
| 参数 Parameter                     | Min   | Typ | Max   | 单位 Units |
|----------------------------------|-------|-----|-------|----------|
| 通带频率范围 Passband Frequency range  | 1.195 |     | 1.205 | GHz      |
| 带宽 Band Width                    |       |     | 10    | MHz      |
| 通带插损 Passband Insertion Loss     |       | 1.2 | 1.3   | dB       |
| 带内纹波 Pass Band Ripple            |       |     | 1.0   | dB       |
| 驻波 VSWR                          |       |     | 1.3   | :1       |
| 带外抑制 Rejection@ $f_0 \pm 20$ MHz | 40    |     |       | dB       |
| 耐受功率 Power Handling              |       |     | 15    | W        |
| 阻抗 Impedance                     | 50    |     |       | Ohms     |

### 环境和机械特性 Envriomental And Physical Characteristics:

| 类型 Description            | 参数 Parameter | 单位 Units |
|---------------------------|--------------|----------|
| 操作温度 Operating Temerature | -40 To +70   | °C       |
| 接口 Connectors             | SMA Female   |          |
| 尺寸 Size                   | 38*60*60     | mm       |

## 外形图 Outline Drawing:

Unit:mm

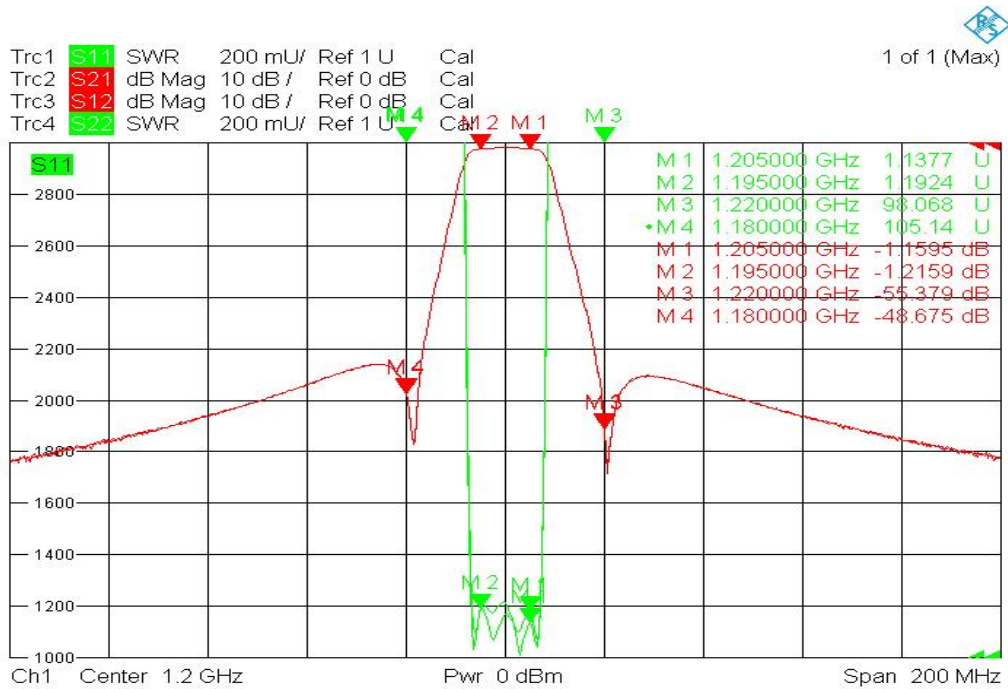


ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## 订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                          | 版本号 Revision |
|------------------|---------------------------------------------------------------------------------------------------------|--------------|
| TBF-1200-12-C6   | Coaxial Band-pass Filter, Passband center frequency: 1.2GHz, Passband Insertion Loss: 1.3dB, SMA Female | Rev.1.0      |

## 典型曲线 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.