

## Coaxial Bandpass Filter

7.3-7.8 GHz/SMA Female/SMA Male

Model: TLBF-7G5-600M-E-Cryo

TLBF-7G5-600M-E-Cryo is a coaxial bandpass filter with a passband frequency from 7.3 to 7.8 GHz . The nominal insertion loss of the filter is 1.2 dB and the typical rejection is 70 dB.

### Features:

- Passband Frequency Range:7.3-7.8 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

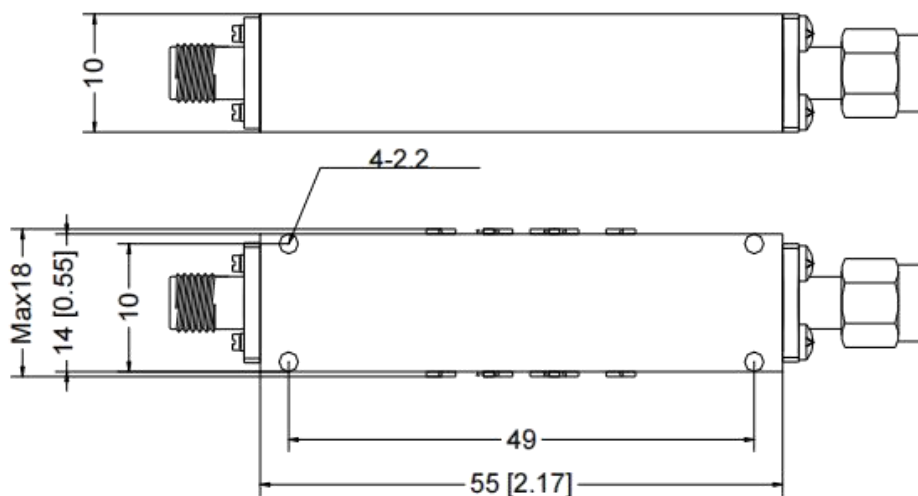
## 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                       | Typ | Max | 单位 Units |
|---------------------------------|---------------------------|-----|-----|----------|
| 通带频率范围 Passband Frequency range | 7.3                       |     | 7.8 | GHz      |
| 宽带 Band Width                   |                           |     | 600 | MHz      |
| 通带插损 Passband Insertion Loss    |                           |     | 1.2 | dB       |
| 带内波动 Pass Band Ripple           | 0.4                       |     |     | dB       |
| 群时延平坦度 Group Delay Flatness     | 1.3                       |     |     | NS       |
| 带外抑制 Rejection                  | >70dB@DC-6.6Ghz<br>8.3Ghz |     |     | dB       |
| 耐受功率 Power Handling             |                           |     | 15  | W        |
| 输入驻波 Input VSWR                 |                           |     | 1.3 | :1       |
| 阻抗 Impedance                    | 50                        |     |     | Ohms     |

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

| 类型 Description | 参数 Parameter        | 单位 Units |
|----------------|---------------------|----------|
| 接口 Connectors  | SMA Female/SMA Male |          |
| 尺寸 Size        | 55*18*10            | 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 Desciption                                                                                                       | 版本号 Revision |
|----------------------|---------------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-7G5-600M-E-Cryo | Coaxial Bandpass Filter, Passband frequency range : 7.3-7.8GHz, Passband Insertion Loss: 1.2dB, SMA Female/SMA Male | Rev.1.0      |