

## Coaxial Band-pass Filter

### Center Frequency 1.25 GHz/SMA Female

**Model: TLBF-1G25-2M-E**

TLBF-1G25-2M-E is a coaxial band-pass filter with a passband center frequency at 1.25 GHz and a rejection frequencies at  $f_0 \pm 20$  MHz. The maximum insertion loss of the filter is 2.0 dB and the minimum rejection is 40 dB.

#### Features:

- Passband Center Frequency 1.25 GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

#### Applications:

- Instrumentations
- Radar Systems
- System Integrations

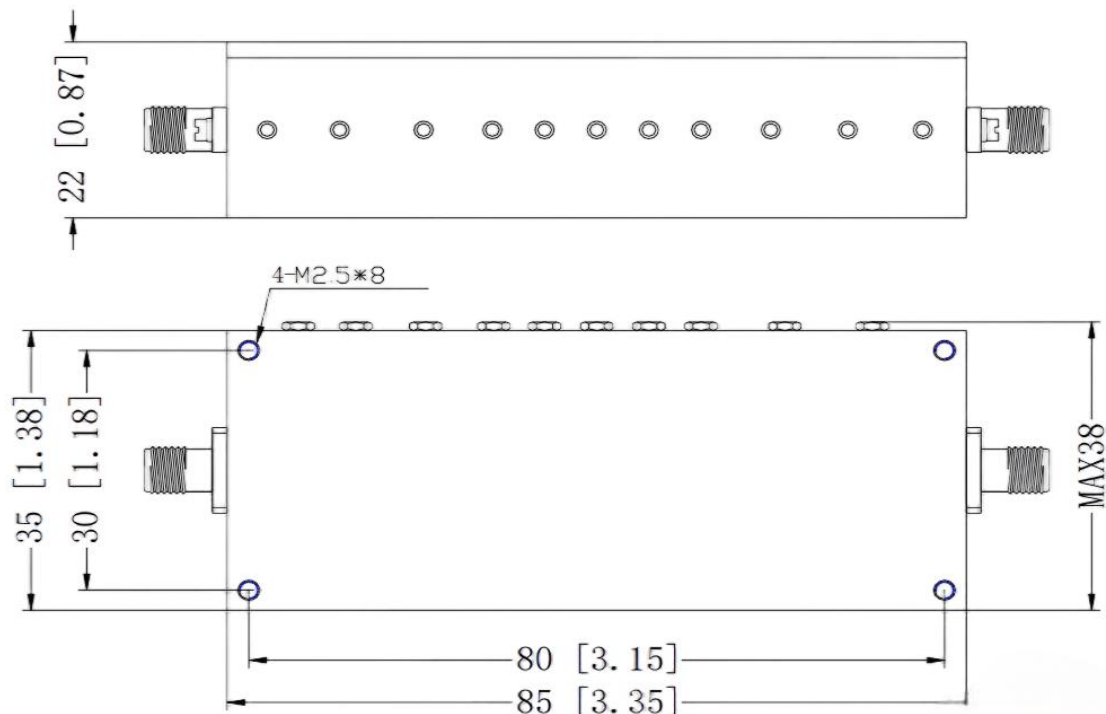
### 电气特性 Electrical Characteristics:

| 参数 Parameter                     | Min   | Typ | Max   | 单位 Units |
|----------------------------------|-------|-----|-------|----------|
| 通带频率范围 Passband Frequency range  | 1.245 |     | 1.255 | GHz      |
| 带宽 Band Width                    | 2     |     | 10    | MHz      |
| 通带插损 Passband Insertion Loss     |       | 1.8 | 2.0   | dB       |
| 带内纹波 Pass Band Ripple            |       |     | 1.6   | 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 Envirionmental 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                   | 22*35*85     | 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 |
|------------------|----------------------------------------------------------------------------------------------------------|--------------|
| TLBF-1G25-2M-E   | Coaxial Band-pass Filter, Passband center frequency: 1.25GHz, Passband Insertion Loss: 2.0dB, SMA Female | Rev.1.0      |