

## Coaxial Band-pass Filter

3.15-3.75GHz/ SMA Female

Model: TLBF-3G45-600M-E

TLBF-3G45-600M-E is a coaxial band-pass filter with a passband frequency from 3.15 to 3.75GHz and a rejection frequencies at 2.65GHz and 4.25 GHz. The nominal insertion loss of the filter is 1.0dB and the typical rejection is 40 dB.

### Features:

- Passband Frequency Range 3.15 to 3.75GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

### Applications:

- Instrumentations
- Radar Systems
- System Integrations

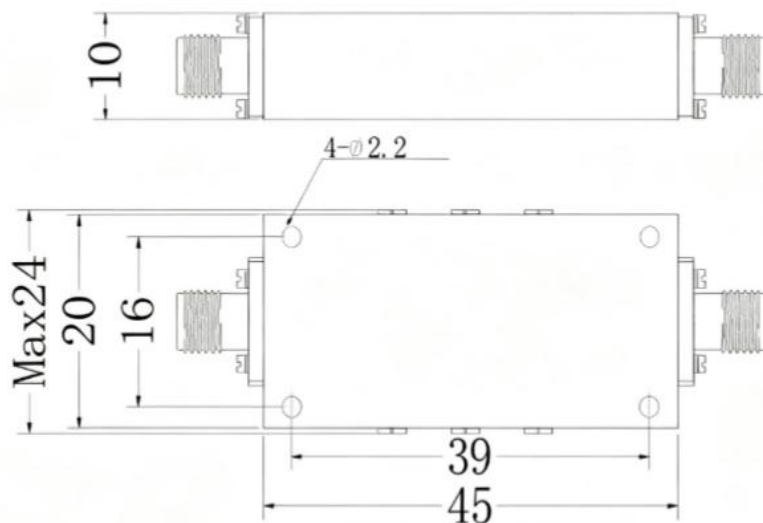
## 电气特性 Electrical Characteristics:

| 参数 Parameter                    | Min                      | Typ | Max  | 单位 Units |
|---------------------------------|--------------------------|-----|------|----------|
| 通带频率范围 Passband Frequency range | 3.15                     |     | 3.75 | GHz      |
| 中心插损 Insertion Loss ( fo )      |                          |     | 1.0  | dB       |
| 带内纹波 Pass Band Ripple           |                          |     | 0.8  | dB       |
| 带外抑制 Rejection                  | >40dB@2650MHz<br>4250MHz |     |      | dB       |
| 耐受功率 Power Handling             |                          |     | 50   | W        |
| 输入驻波 Input VSWR                 |                          |     | 1.6  | :1       |
| 输出驻波 Output VSWR                |                          |     | 1.6  | :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 |
|----------------------------|--------------|----------|
| 操作温度 Operating Temperature | -40 To +70   | ℃        |
| 存储温度 Storage Temperature   | -40 to +70   | ℃        |
| 接口 Connectors              | SMA Female   |          |

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-3G45-600M-E | Coaxial Band-pass Filter, Passband frequency range: 3.15 to 3.75GHz, Passband Insertion Loss: 1.0dB, SMA Female | Rev.1.0      |