

## Waveguide Band Pass Filter

### WR-10/75-83GHz

Model: TLBF-075083-30

#### Features:

- Passband Frequency Range 75 to 83GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

#### Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

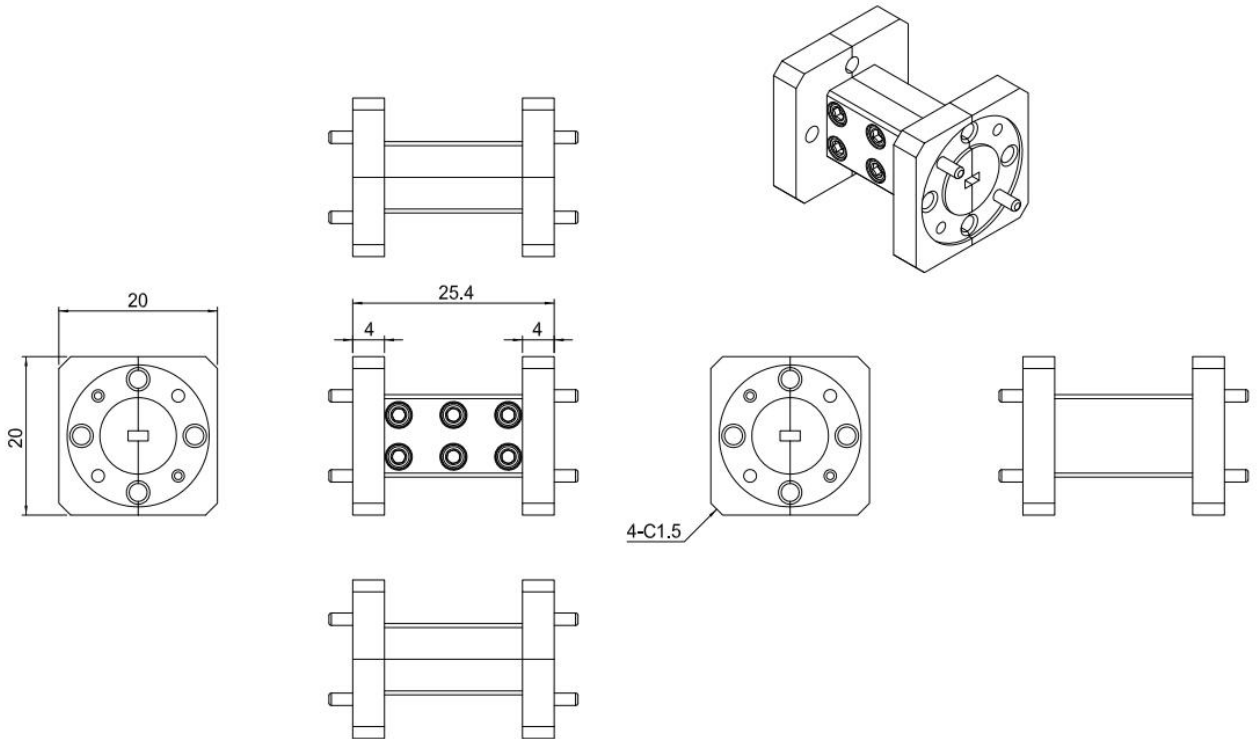
### 电气特性 Electrical Characteristics:

| 参数 Parameter                    |        | Min | Typ | Max | 单位 Units |
|---------------------------------|--------|-----|-----|-----|----------|
| 通带频率范围 Passband Frequency range |        | 75  |     | 83  | GHz      |
| 通带插损 Passband Insertion Loss    |        |     | 1   |     | dB       |
| 带外抑制 Rejection                  | @71GHz |     | -30 |     | dBc      |
|                                 | @90GHz |     | -30 |     |          |
| 3dB带宽 Approximate 3dB Bandwidth |        | 74  |     | 84  | GHz      |

### 环境和机械特性 Envrionmental And Physical

| 类型 Description            | 参数 Parameter     | 单位 Units |
|---------------------------|------------------|----------|
| 操作温度 Operating Temerature | -40 To +85       | °C       |
| 存储温度 Storage Temerature   | -40 to +85       | °C       |
| 材质 Material               | Copper           |          |
| 表贴 Finish                 | Gold Plated      |          |
| 波导接口 Waveguide            | WR-10/UG-387/U-M |          |

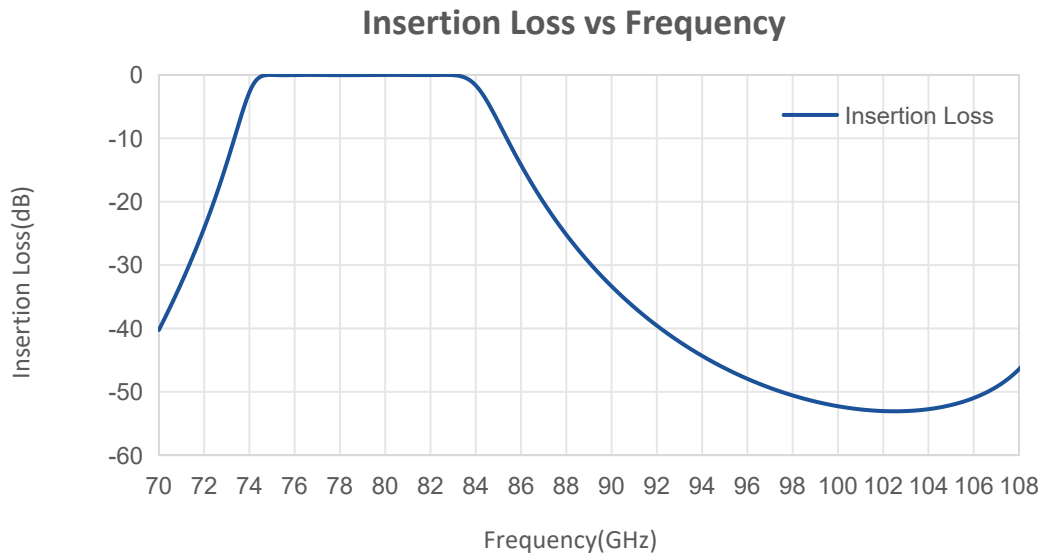
## 外形图 Outline Drawing: Unit:mm



## 订货信息 Ordering Information:

| 标准型号 Base Number | 描述 Description                                                                                               | 版本号 Revision |
|------------------|--------------------------------------------------------------------------------------------------------------|--------------|
| TLBF-075083-30   | Waveguide Band Pass Filter, 75-83GHz, Insertion Loss: 1.0dB, Rejection: -30dBc@71GHz&90GHz, WR-10/UG-387/U-M | Rev.1.1      |

## 测试曲线 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.