

## Waveguide Bandpass Filter

WR-12/86-92GHz

Model: TLBF-086092-40-12

TLBF-086092-40-12 is a waveguide bandpass filter with a passband frequency from 86 to 92 GHz and a rejection frequency from 60 to 82 GHz and 96 to 110 GHz. The nominal insertion loss of the filter is 2 dB and the typical rejection is 40 dBc. The input and output port configuration offers an inline structure with WR-12 waveguides and UG-387/U-M anti-cocking flanges.

### Features:

- Passband Frequency Range 86 to 92 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

### Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

### 电气特性 Electrical Characteristics:

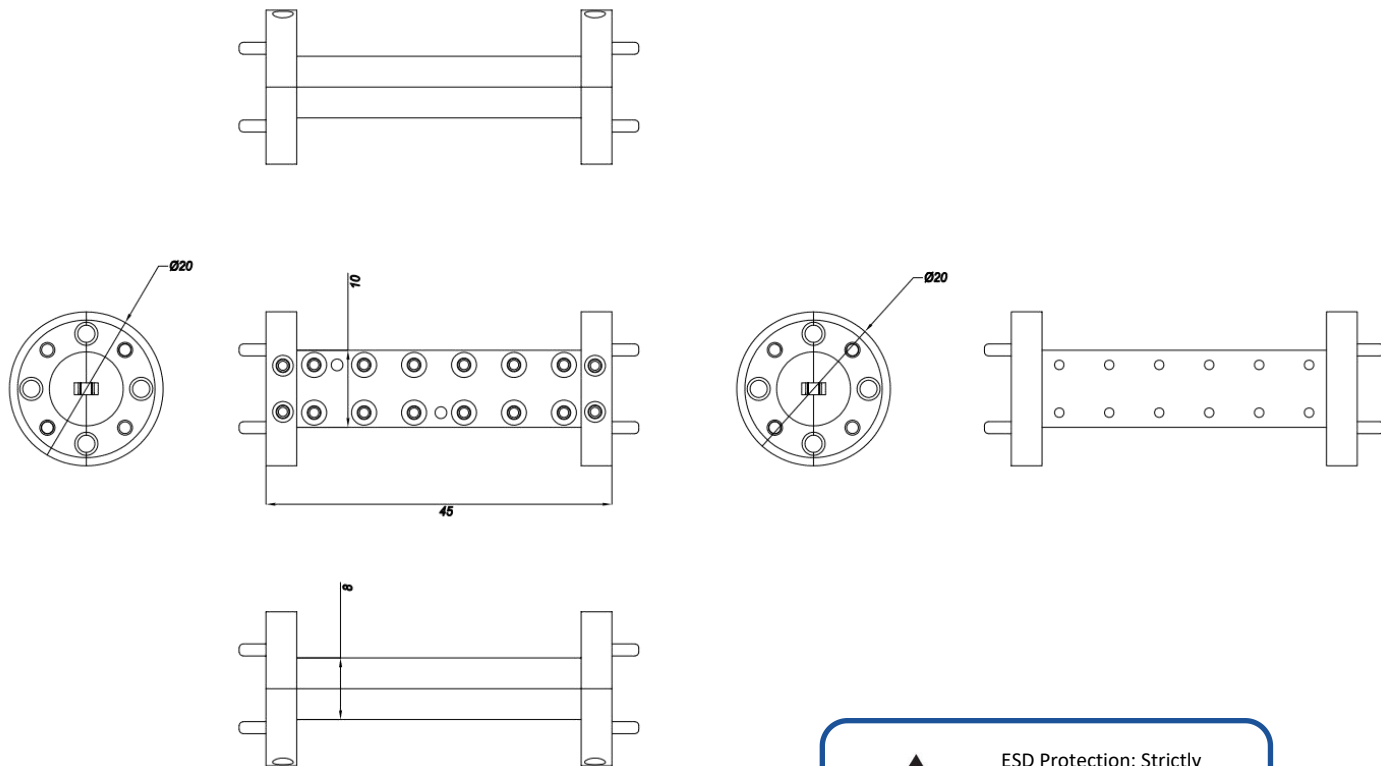
| 参数 Parameter                    |             | Min | Typ  | Max | 单位 Units |
|---------------------------------|-------------|-----|------|-----|----------|
| 通带频率范围 Passband Frequency range |             | 86  |      | 92  | GHz      |
| 通带带宽 Passband Width             |             |     | 6    |     | GHz      |
| 输入/输出驻波 Input/Output VSWR       |             |     | 1.25 |     | :1       |
| 通带插损 Passband Insertion Loss    |             |     |      | 2   | dB       |
| 带外抑制 Rejection                  | @60-82 GHz  | 40  |      |     | dBc      |
|                                 | @96-110 GHz | 40  |      |     |          |

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

| 参数 Parameter              | 类型 Description                     | 单位 Units |
|---------------------------|------------------------------------|----------|
| 操作温度 Operating Temerature | -20 to +55                         | °C       |
| 存储温度 Storage Temerature   | -20 to +55                         | °C       |
| 材质 Material               | Aluminum                           |          |
| 表面处理 Finish               | Conductive Coating, Natural Finish |          |
| 波导 Waveguide              | WR-12/UG-387/U-M                   |          |

## 外形图 Outline Drawing:

Unit:mm; Tolerance:±0.1mm



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-086092-40-12 | Waveguide Bandpass Filter,86-92GHz, Insertion Loss: 2dB, Rejection: 40dBc@60-82GHz&96-110GHz,WR-12/UG-387/U-M | Rev.1.0      |