Suzhou Talent Microwave,Inc
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# Waveguide Bandpass Filter

## WR-10/75-85GHz

## Model: TLBF-075085-45-10

TLBF-075085-45-10 is a waveguide bandpass filter with a passband frequency from 75 to 85 GHz and a rejection frequency from DC to 71 GHz and 90 to 100 GHz. The maximum insertion loss of the filter is 2 dB and the minimum rejection is 45 dBc. The input and output port configuration offers an inline structure with WR-10 waveguides and UG-387/U-M anti-cocking flanges.

## Features:

- Passband Frequency Range 75 to 85 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

## Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

## Electrical Characteristics:

| Parameter | | Min | Typ | Max | Units |
|---|---|---|---|---|---|
| Passband Frequency range | | 75 | | 85 | GHz |
| Passband Width | | | 10 | | GHz |
| VSWR | | | 1.3 | | :1 |
| Passband Insertion Loss | | | | 2 | dB |
| Rejection | @DC-71GHz | 45 | | | dBc |
| | @90-100GHz | 45 | | | |

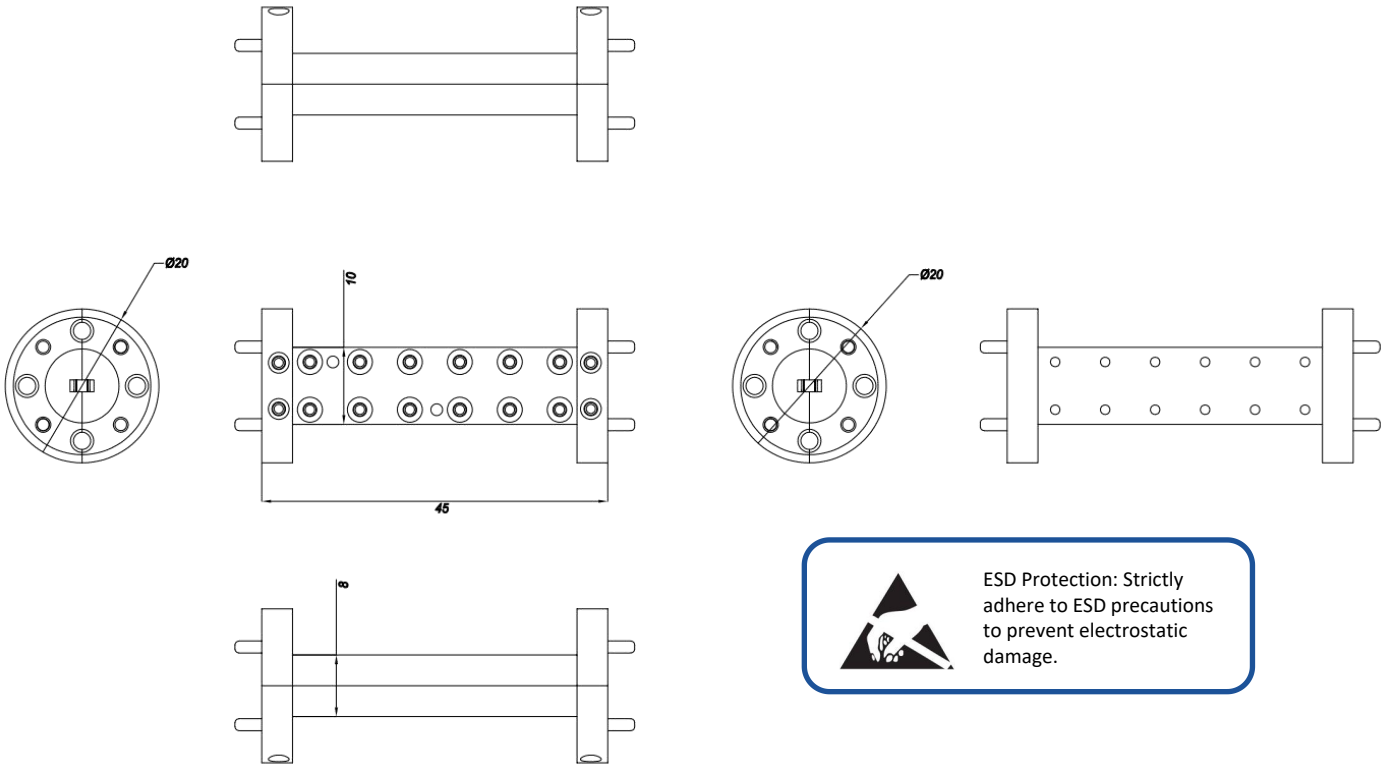
## Envrionmental And Physical Characteristics:

| Parameter | Value | Units |
|---|---|---|
| Operating Temerature | -20 to +55 | ℃ |
| Storage Temerature | -20 to +55 | ℃ |
| Material | Aluminum | |
| Finish | Conductive Coating, Natural Finish | |
| Waveguide | WR-10/UG-387/U-M | |

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## Outline Drawing:

Unit:mm; Tolerance:±0.1mm




ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

## Ordering Information:

| Base Number | Description | Revision |
|---|---|---|
| TLBF-075085-45-10 | Waveguide Bandpass Filter,75-85GHz,Insertion Loss:2dB, Rejection:45dBc@DC-71GHz&90-100GHz,WR-10/UG-387/U-M | Rev.1.0 |