

## Waveguide Band Pass Filter

### WR-10/83-91GHz

**Model: TLBF-083091-30**

#### Features:

- Passband Frequency Range 83 to 91GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

#### Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

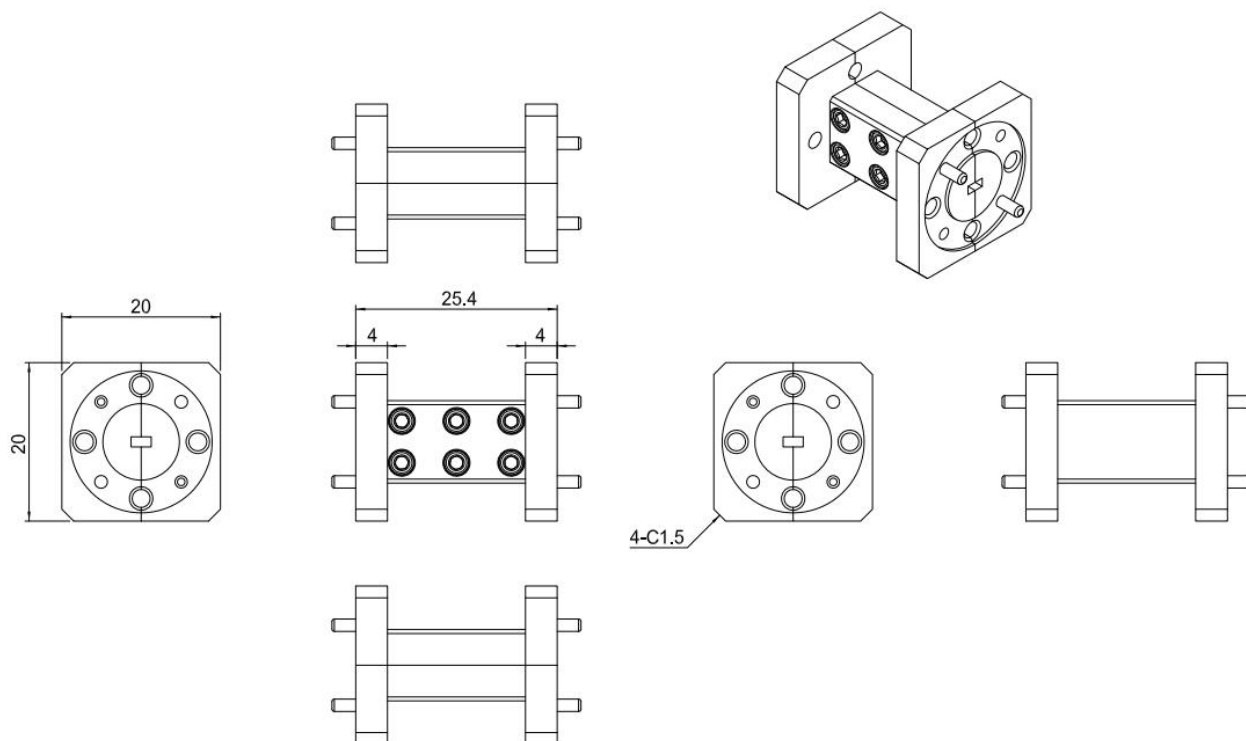
#### Electrical Characteristics:

| Parameter                 |        | Min | Typ | Max | Units |
|---------------------------|--------|-----|-----|-----|-------|
| Passband Frequency range  |        | 83  |     | 91  | GHz   |
| Passband Insertion Loss   |        |     | 1   |     | dB    |
| Rejection                 | @80GHz |     | -30 |     | dBc   |
|                           | @96GHz |     | -30 |     |       |
| Approximate 3dB Bandwidth |        | 82  |     | 92  | GHz   |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter        | Units |
|----------------------|------------------|-------|
| Operating Temerature | -40 To +85       | °C    |
| Storage Temerature   | -40 to +85       | °C    |
| Material             | Copper           |       |
| Finish               | Gold Plated      |       |
| Waveguide            | WR-10/UG-387/U-M |       |

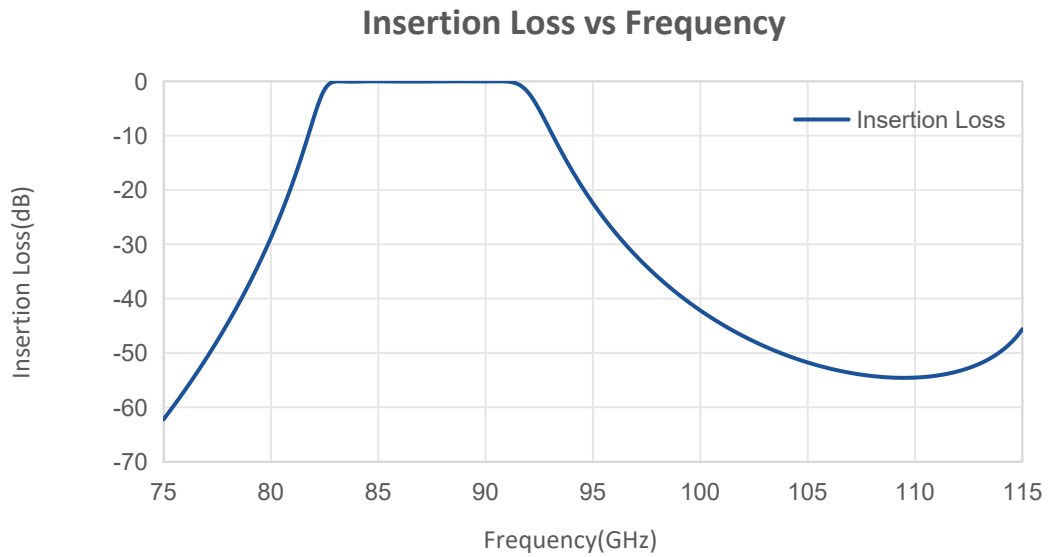
**Outline Drawing:**      Unit:mm



**Ordering Information:**

| Base Number    | Desciption                                                                                                 | Revision |
|----------------|------------------------------------------------------------------------------------------------------------|----------|
| TLBF-083091-30 | Waveguide Band Pass Filter,83-91GHz,Insertion Loss:1.0dB,<br>Rejection:-30dBc@80GHz&96GHz,WR-10/UG-387/U-M | Rev.1.1  |

## 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.