

## Waveguide Bandpass Filter

### WR-12/69-71GHz

**Model: TLBF-6971-40**

#### Features:

- Passband Frequency Range 69 to 71 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

#### Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

#### Electrical Characteristics:

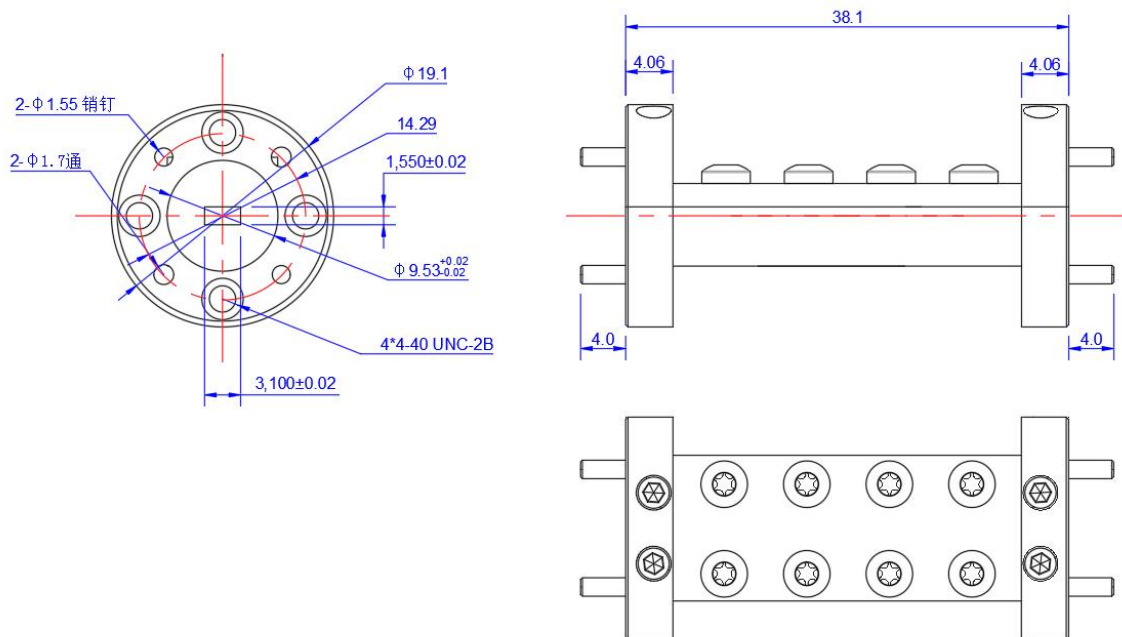
| Parameter                |           | Min | Typ | Max | Units |
|--------------------------|-----------|-----|-----|-----|-------|
| Passband Frequency range |           | 69  |     | 71  | GHz   |
| Passband Width           |           |     | 2   |     | GHz   |
| Return Loss              |           |     | -20 | -16 | dB    |
| Passband Insertion Loss  |           |     | 1   | 1.5 | dB    |
| Rejection                | @DC-65GHz | 40  |     |     | dBc   |
|                          | @73-95GHz | 40  |     |     |       |

#### Envrionmental And Physical Characteristics:

| Description          | Parameter        | Units |
|----------------------|------------------|-------|
| Operating Temerature | -40 To +70       | °C    |
| Waveguide            | WR-12/UG-387/U-M |       |

## Outline Drawing:

Unit:mm



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

## Ordering Information:

| Base Number  | Description                                                                                                          | Revision |
|--------------|----------------------------------------------------------------------------------------------------------------------|----------|
| TLBF-6971-40 | Waveguide Bandpass Filter, 69-71GHz, Insertion Loss: 1.0dB, Rejection: 40dBc @ DC-65GHz & 73-95GHz, WR-12/UG-387/U-M | Rev.1.1  |