

## Waveguide Bandpass Filter

### WR-75/14-14.5GHz

**Model: TLBF-14G14.5G-60**

TLBF-14G14.5G-60 is a waveguide bandpass filter with a passband frequency from 14 to 14.5 GHz and a rejection frequency from 10.7 to 12.7 GHz. The maximum insertion loss of the filter is 0.5 dB and the minimum rejection is 60 dB.

### Features:

- Passband Frequency Range 14 to 14.5 GHz
- Lower Cost
- Low Insertion Loss
- High Rejection

### Applications:

- Communicatin Systems
- Radar Systems
- Sub-assemblies

### Electrical Characteristics:

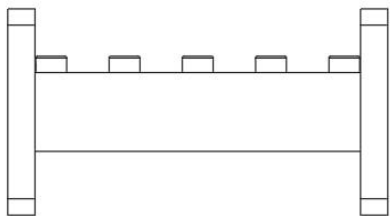
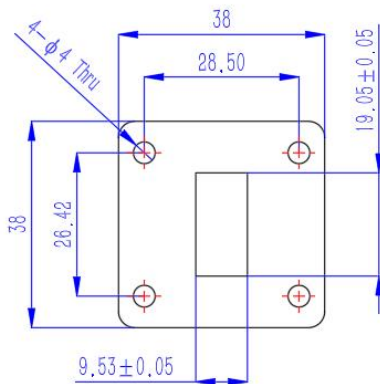
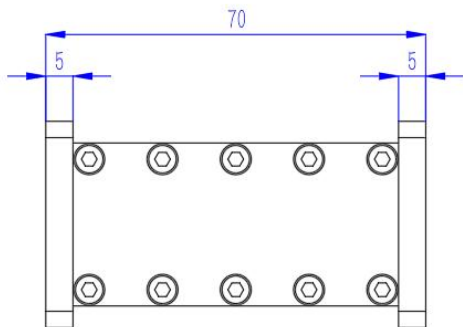
| Parameter                |               | Min | Typ | Max  | Units |
|--------------------------|---------------|-----|-----|------|-------|
| Passband Frequency range |               | 14  |     | 14.5 | GHz   |
| Passband Width           |               |     | 0.5 |      | GHz   |
| Passband Insertion Loss  |               |     |     | 0.5  | dB    |
| Rejection                | @10.7-12.7GHz | 60  |     |      | dBc   |
| VSWR                     |               |     |     | 1.3  | :1    |

### Envrionmental And Physical Characteristics:

| Description          | Parameter  | Units |
|----------------------|------------|-------|
| Operating Temerature | -40 To +70 | °C    |
| Waveguide            | WR-75      |       |
| Size                 | 70*38*38   | mm    |

**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-14G14.5G-60 | Waveguide Bandpass Filter,14-14.5GHz,<br>Insertion Loss:0.5dB, Rejection:60dB@10.7-12.7GHz,WR-75 | Rev.1.0  |