

# Waveguide Isolator 5.4 ~ 8.0GHz

## Application

- ▶ RF power amplifier protection.
- ▶ Digital, Satellite, Mobile Communication.
- ▶ Medical, Communication, Security.
- ▶ Military, Space and Commercial applications.

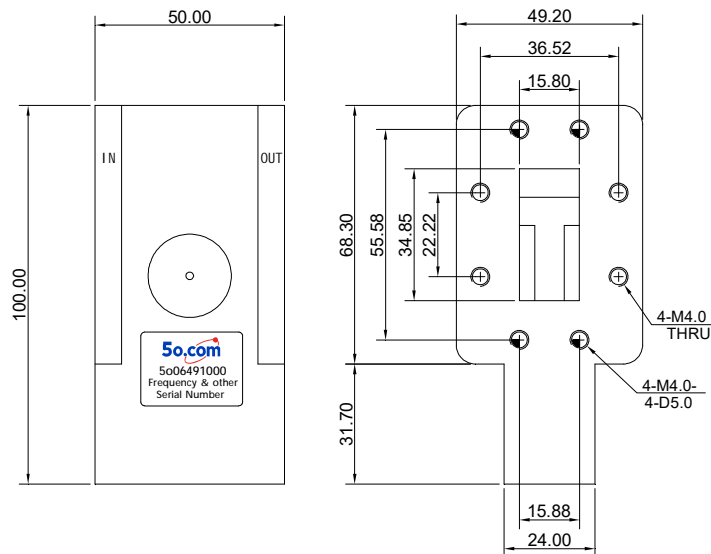
## RF Characteristics

| Part Number    | Frequency Range (GHz) | Isolation Min(dB) | VSWR Max | Insertion Loss Max(dB) | Connector Type |
|----------------|-----------------------|-------------------|----------|------------------------|----------------|
| 5o064910005459 | 5.4 ~ 5.9             | 23                | 1.2      | 0.3                    | WR137(BJ70)    |
| 5o064910005871 | 5.8 ~ 7.1             | 18                | 1.3      | 0.4                    | WR137(BJ70)    |
| 5o06491000665  | 6.0 ~ 6.5             | 23                | 1.2      | 0.3                    | WR137(BJ70)    |
| 5o06491000677  | 6.0 ~ 7.7             | 18                | 1.3      | 0.4                    | WR137(BJ70)    |
| 5o0649100078   | 7.0 ~ 8.0             | 20                | 1.2      | 0.35                   | WR137(BJ70)    |
| 5o06491000788  | 7.8 ~ 8.0             | 25                | 1.2      | 0.25                   | WR137(BJ70)    |

## Basic Specifications

|               |               |                       |             |
|---------------|---------------|-----------------------|-------------|
| Dimension     | 50*100*49.2mm | Impedance             | 50Ω         |
| Forward Power | 100W          | Operating Temperature | -40 ~ +85°C |
| Reverse Power | 30W           | Storage Temperature   | -55~+125°C  |

## Overall Dimension(mm)



## Instructions

Tolerances: ±2% unless otherwise stated.

- ◆ The waveguide isolator shall be accurately mated with the matching waveguide flange.
- ◆ During installation, ensure the flange surface is clean and free of impurities (e.g., metal debris, dust). The flange connecting bolts shall be tightened evenly to prevent radio frequency (RF) leakage and excessive voltage standing wave ratio (VSWR) caused by poor sealing or uneven stress.
- ◆ Only some common frequencies in the table can be produced according to the user's requirements.
- ◆ It supports a one-year standard warranty.