

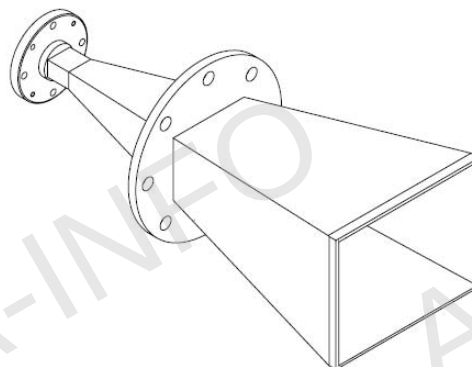
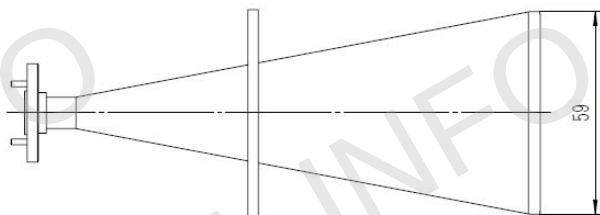
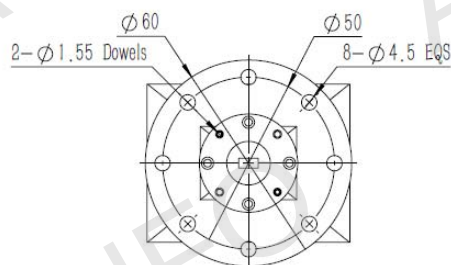
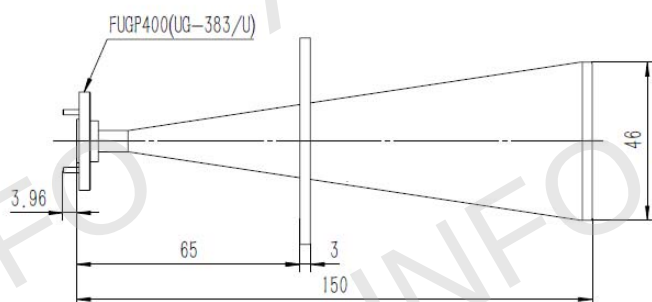
## Technical Specification



|                          |                            |
|--------------------------|----------------------------|
| Frequency Range(GHz)     | 33.0 - 50.0                |
| Waveguide                | WR22                       |
| Gain(dBi)                | 25 Typ.                    |
| Polarization             | Linear                     |
| 3dB Beamwidth(deg)       | E Plane: 9 Typ.            |
|                          | H Plane: 10 Typ.           |
| Cross Pol. Isolation(dB) | 35 Typ.                    |
| VSWR                     | A2 Type: 1.1:1 Typ.        |
|                          | C2 Type: 1.3:1 Typ.        |
| Output                   | A2 Type: FUGP400(UG-383/U) |
|                          | C2 Type: 2.4mm-Female      |
| Material                 | Cu                         |
| Size(mm)                 | A2 Type: 60 x 60 x 150     |
|                          | C2 Type: 60 x 60 x 175     |
| Net Weight(Kg)           | A2 Type: 0.15 Around       |
|                          | C2 Type: 0.20 Around       |

## Outline Drawing (Size: mm)

A2 Type (With FUGP400 Output)



AINFO Inc.

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China(Beijing):  
China(Chengdu):  
USA :

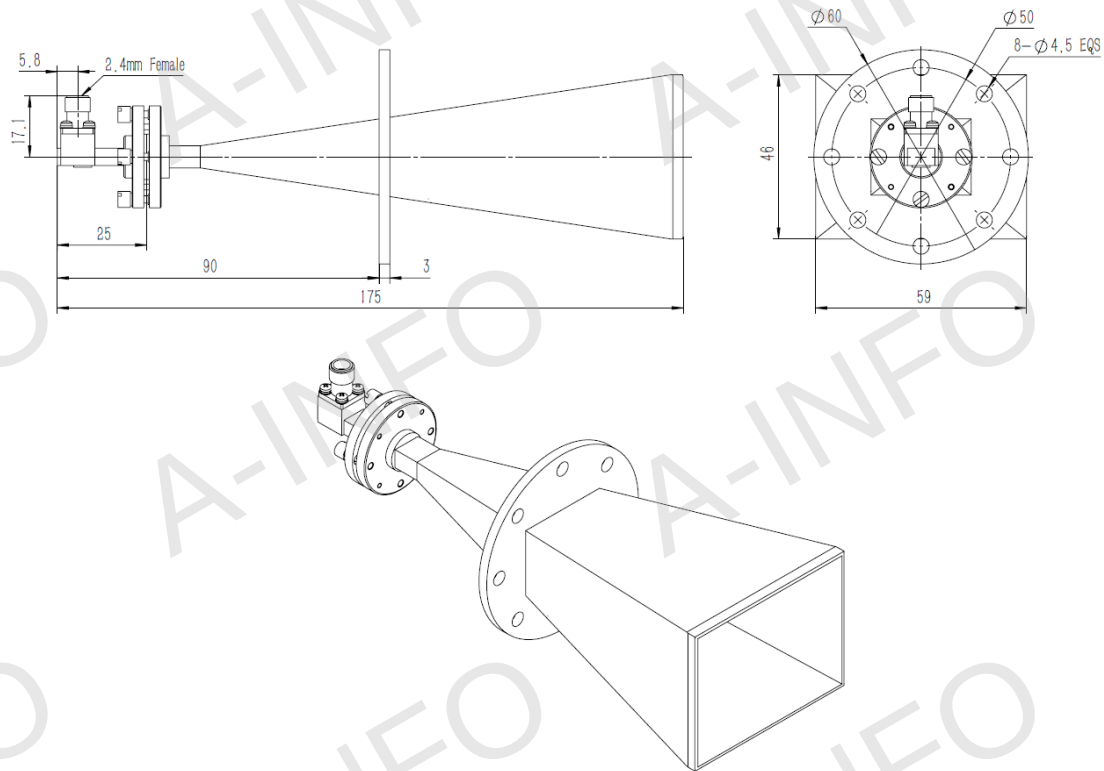
Tel: (+86) 10-6266-7326,  
Tel: (+86) 28-8519-2786,  
Tel: (+1) 949-639-9688,

(+86) 10-6266-7327  
(+86) 28-8519-3044  
(+1) 949-639-9608

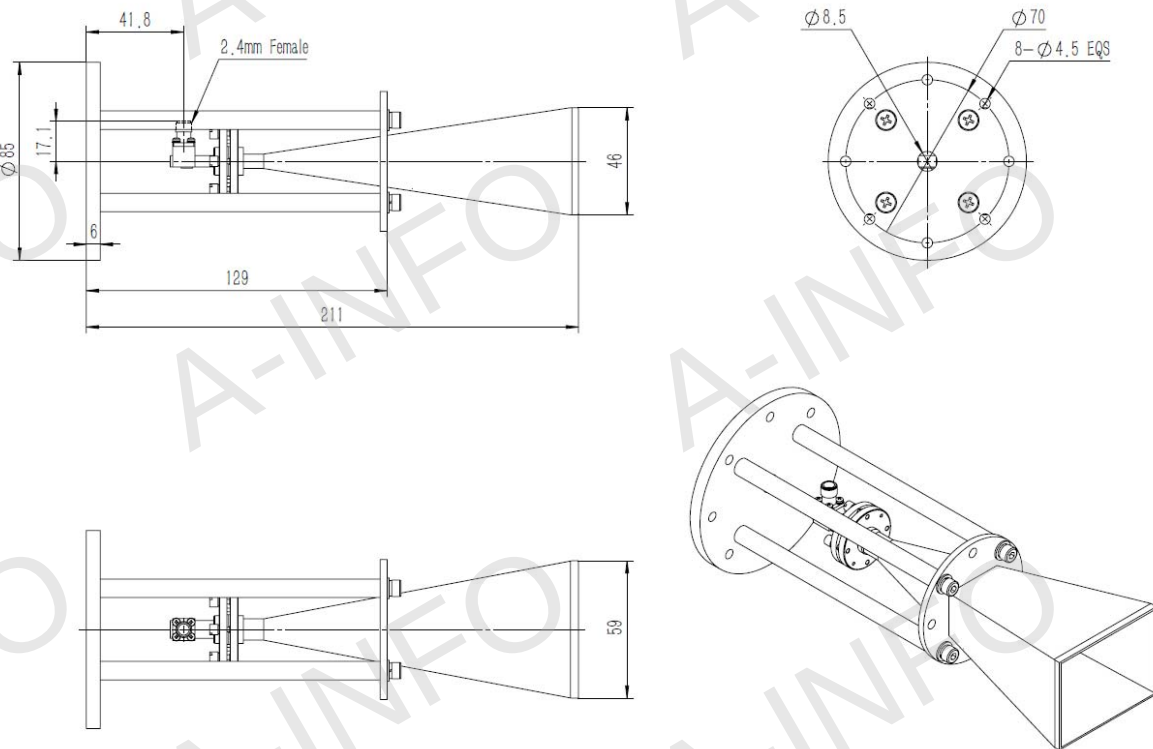
Fax: (+86) 10-6266-7379  
Fax: (+86) 28-8519-3068  
Fax: (+1) 949-639-9670

Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
Email: [sales@ainfoinc.com](mailto:sales@ainfoinc.com)

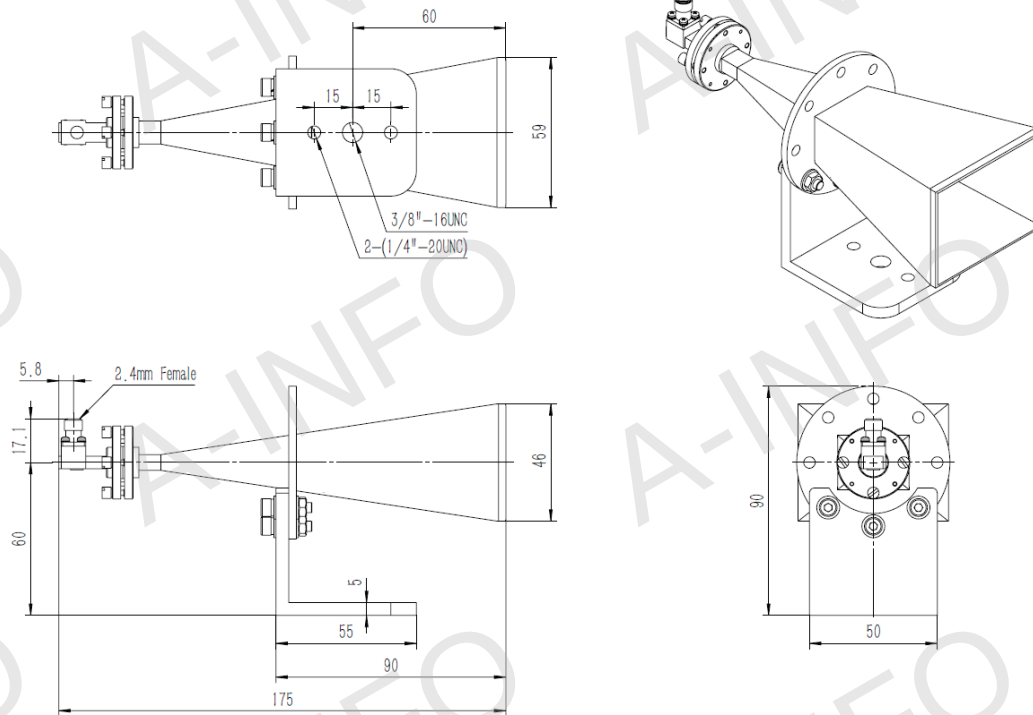
## C2 Type (With 2.4mm-Female Output)



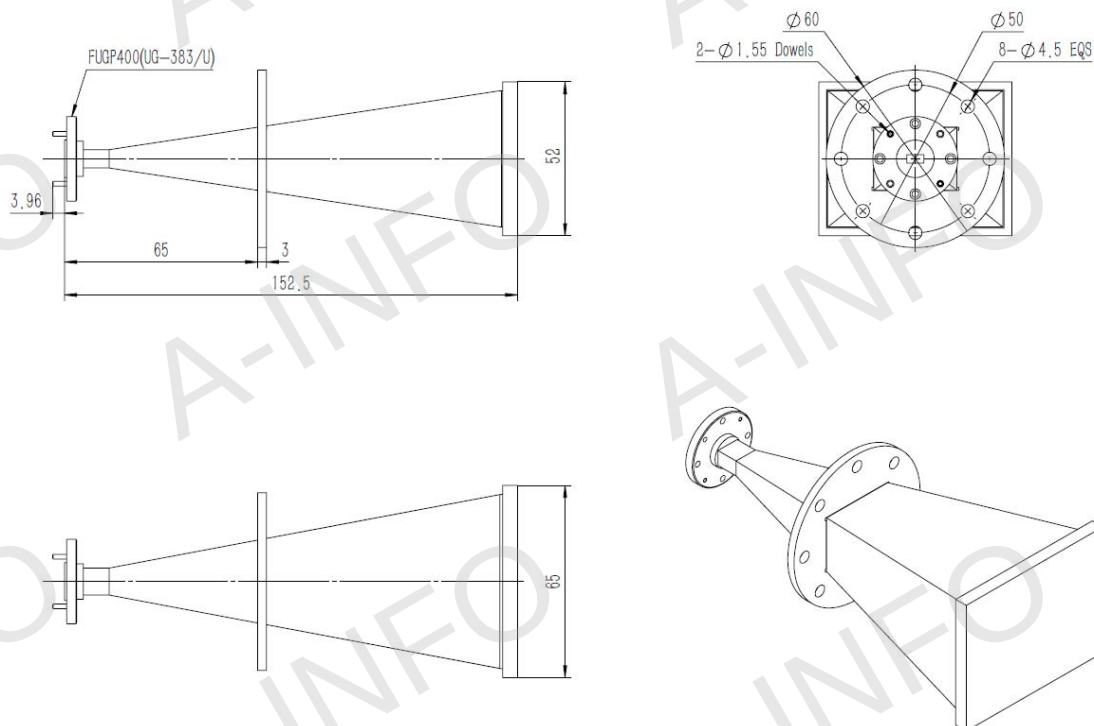
## C2 Type (With 2.4mm-Female Output & Round Mounting Bracket)



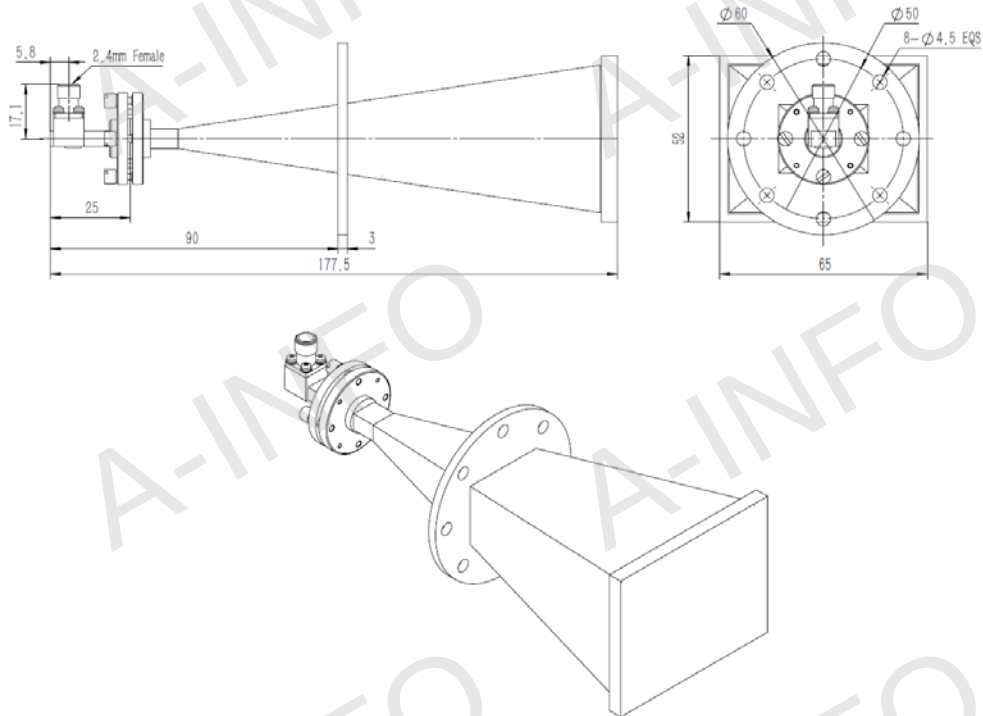
## C2 Type (With 2.4mm-Female Output & L Type Mounting Bracket)



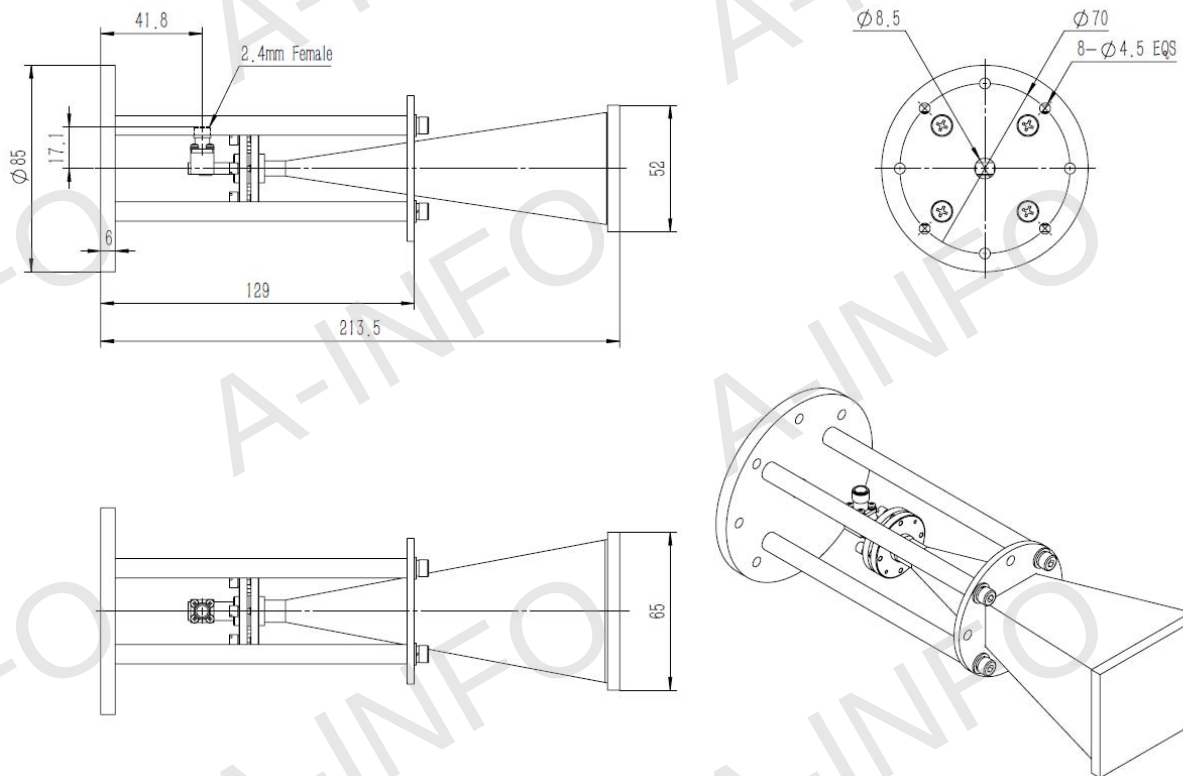
## A2 Type (With Radome)



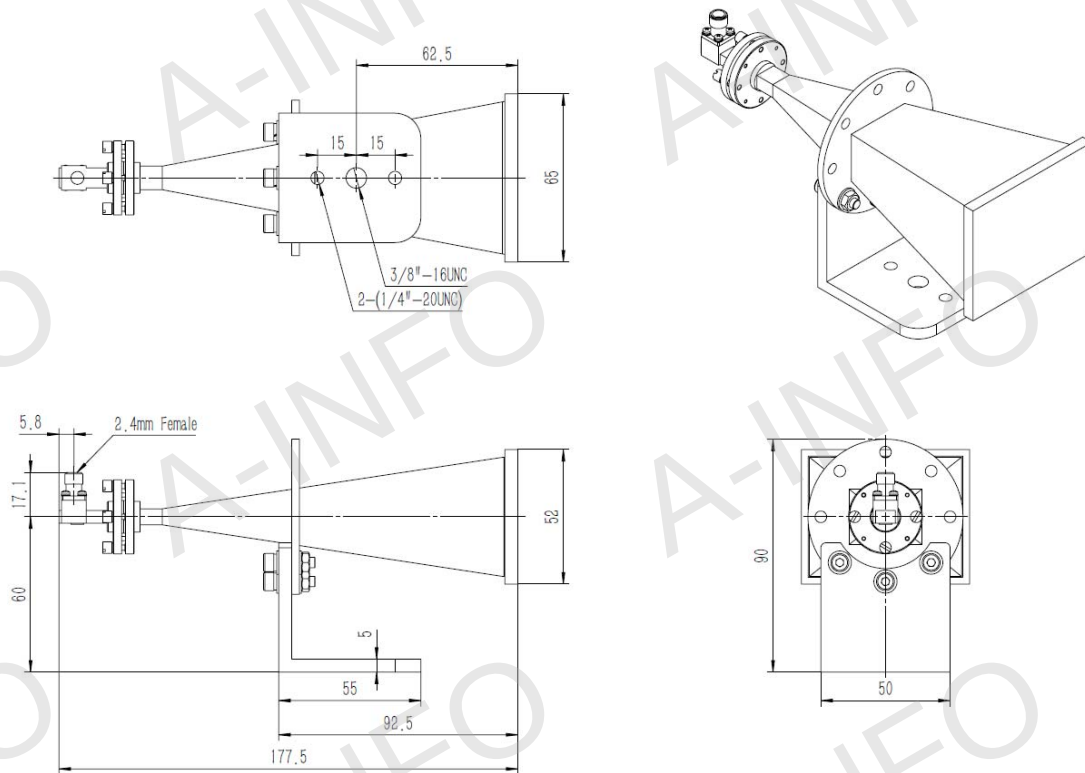
## C2 Type (With 2.4mm-Female Output & Radome)



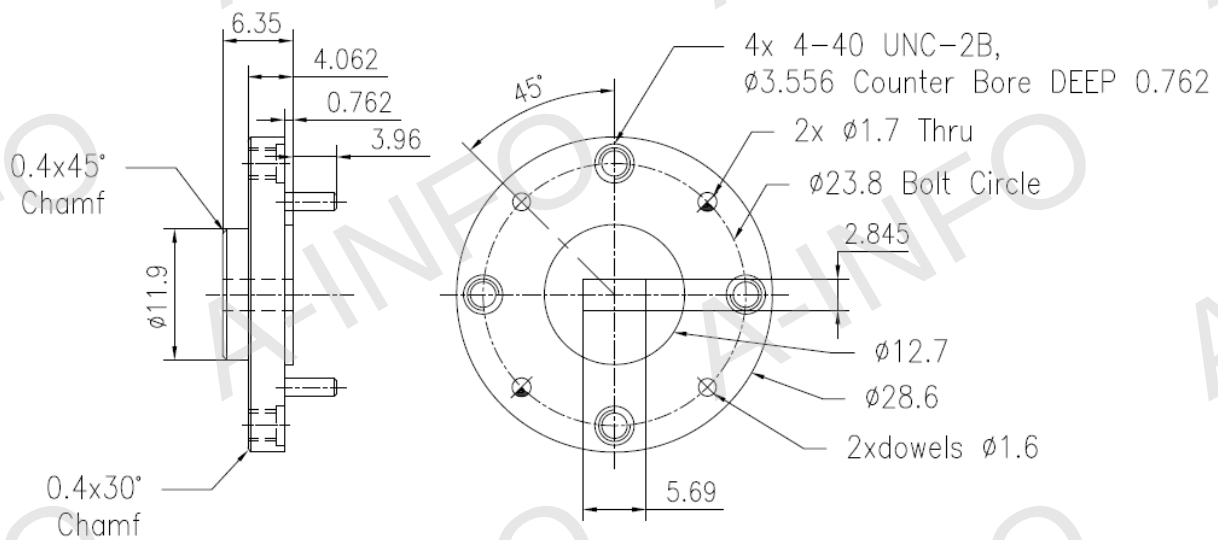
## C2 Type (With 2.4mm-Female Output & Round Mounting Bracket & Radome)



## C2 Type (With 2.4mm-Female Output & L Type Mounting Bracket & Radome)



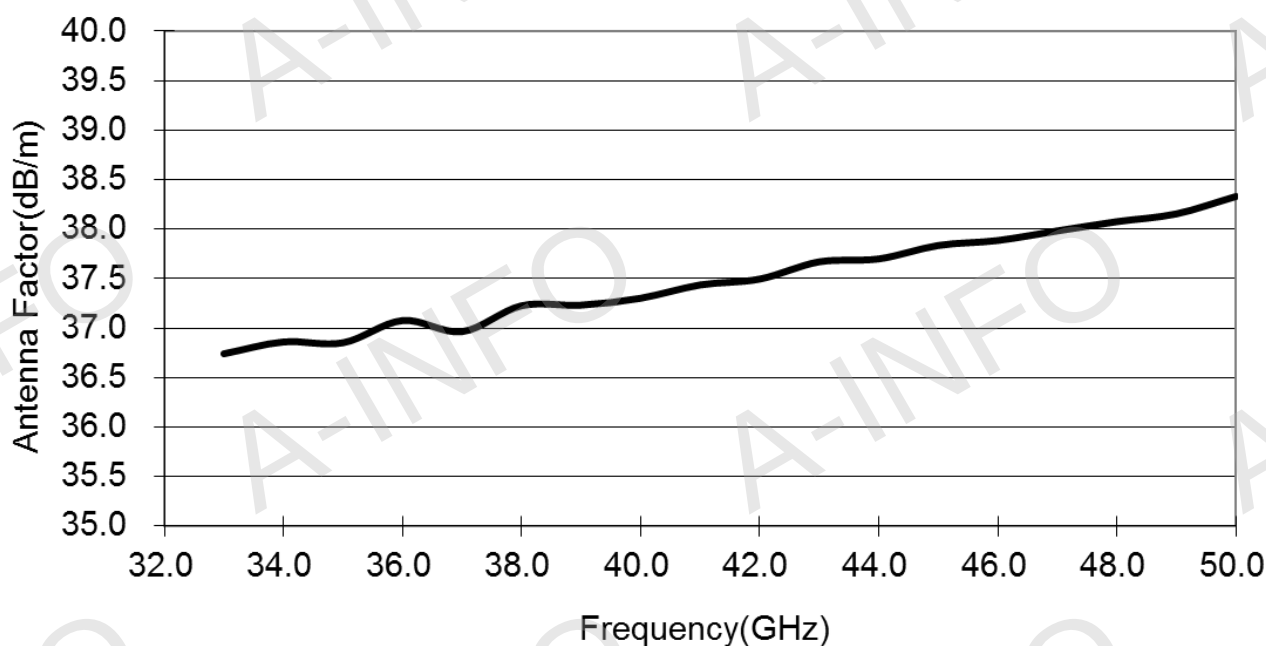
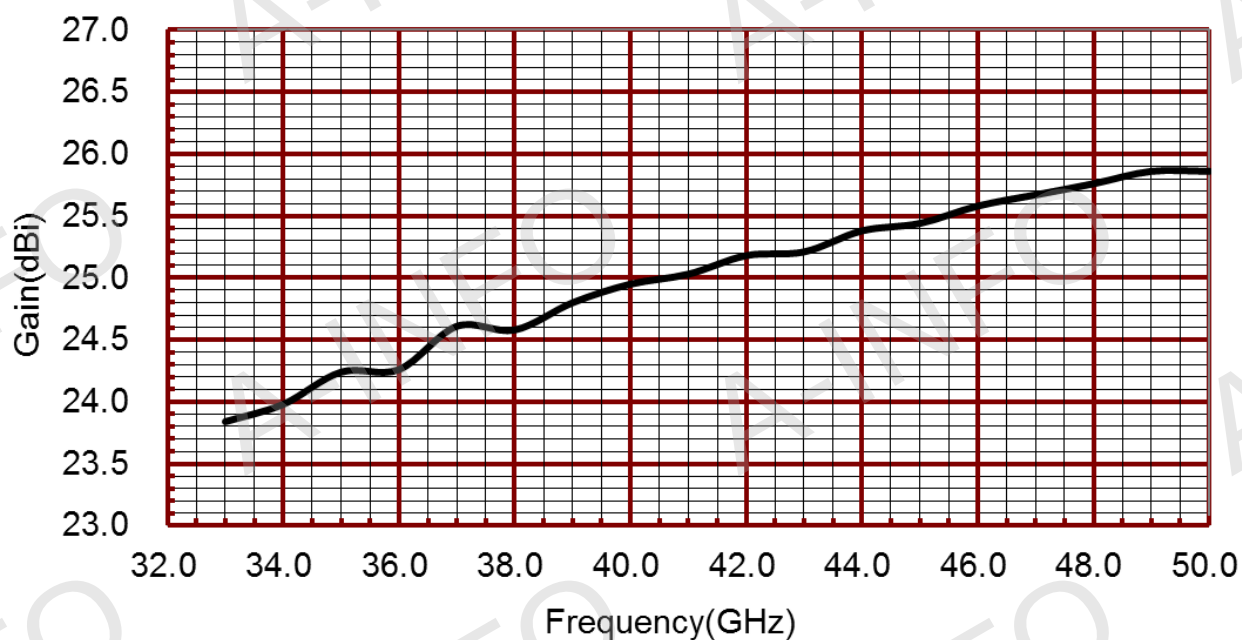
## Flange Drawing (Size: mm)



FUGP400  
(equivalent to UG-383/U)

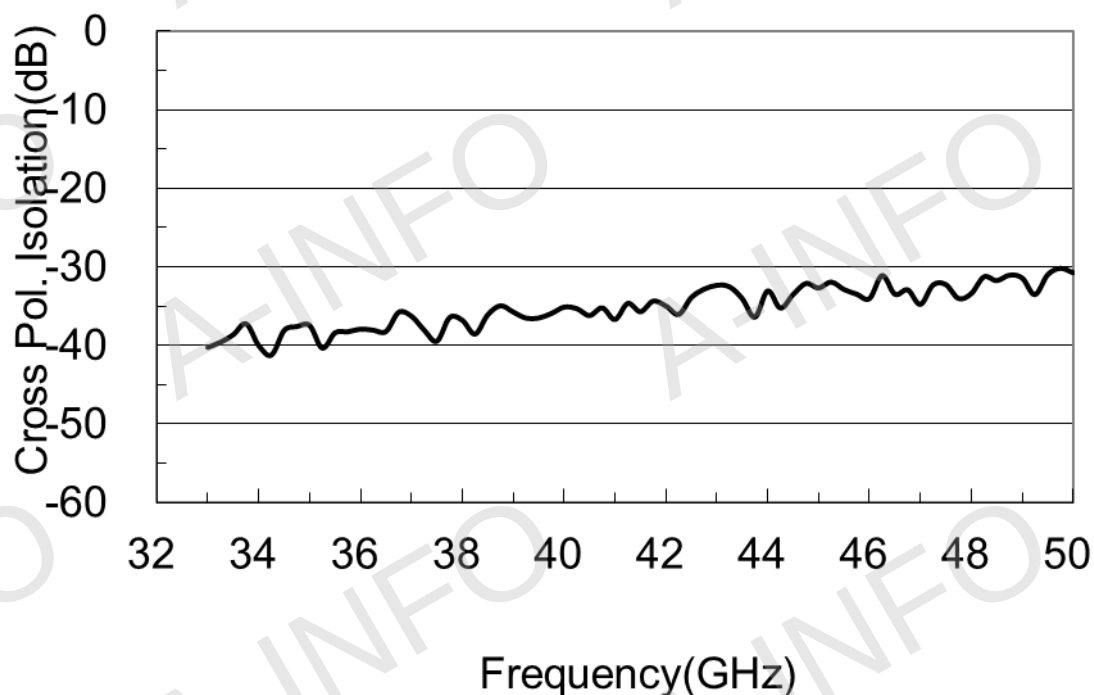
## Test Results

### 1. Gain and Antenna Factor

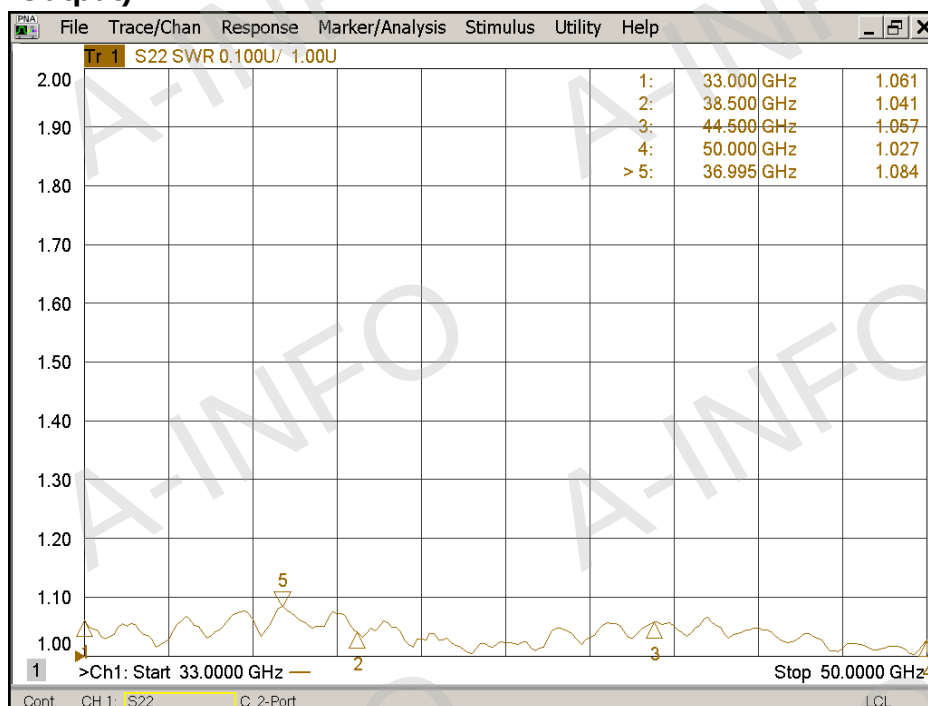


| Frequency(GHz) | Gain(dB) | Antenna Factor(dB/m) |
|----------------|----------|----------------------|
| 33.0           | 23.84    | 36.74                |
| 34.0           | 23.98    | 36.86                |
| 35.0           | 24.24    | 36.85                |
| 36.0           | 24.26    | 37.08                |
| 37.0           | 24.61    | 36.96                |
| 38.0           | 24.58    | 37.23                |
| 39.0           | 24.80    | 37.23                |
| 40.0           | 24.95    | 37.30                |
| 41.0           | 25.03    | 37.44                |
| 42.0           | 25.18    | 37.49                |
| 43.0           | 25.21    | 37.67                |
| 44.0           | 25.38    | 37.70                |
| 45.0           | 25.44    | 37.83                |
| 46.0           | 25.58    | 37.89                |
| 47.0           | 25.67    | 37.98                |
| 48.0           | 25.76    | 38.07                |
| 49.0           | 25.86    | 38.15                |
| 50.0           | 25.86    | 38.33                |

## 2. Cross Polarization Isolation



## 3. VSWR (WG Output)



## 4. Pattern

