

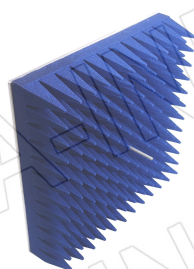
For reference only. See data sheet for the detailed specifications.

## Technical Specification

10EWGE1.0



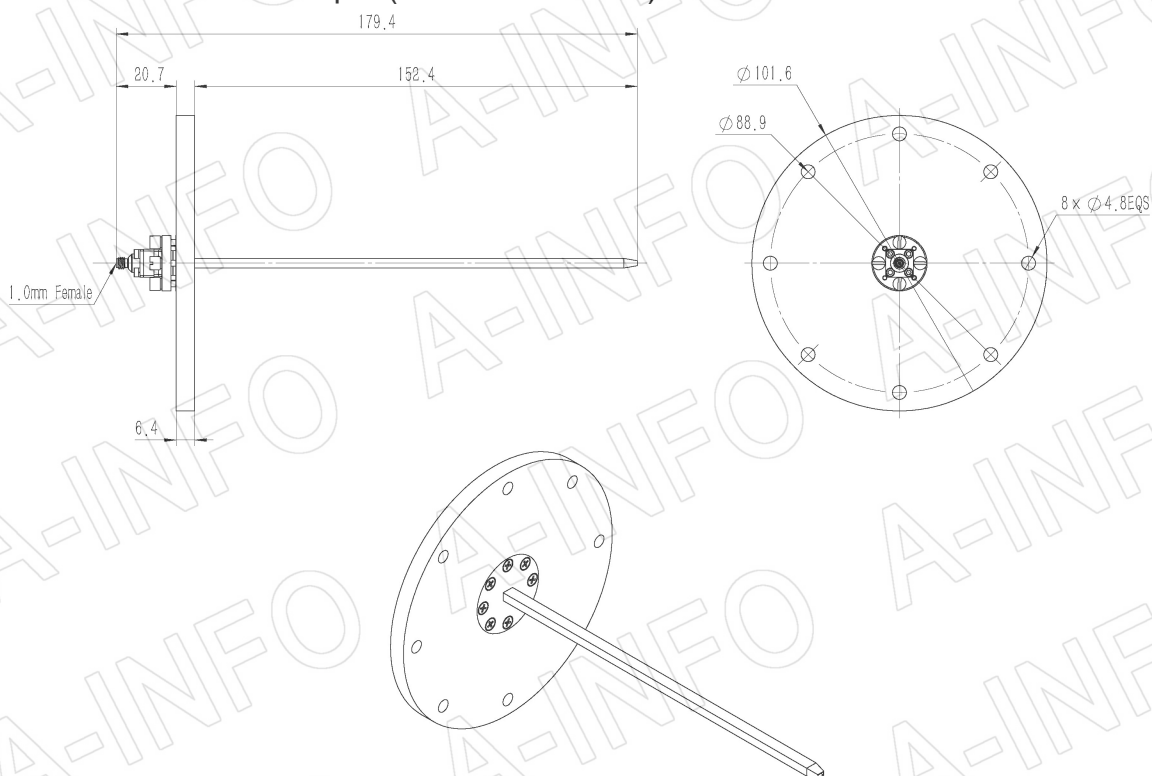
10EWGE1.0-A1



|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| Frequency Range(GHz)     | 75.0 – 110.0                                            |
| Waveguide                | WR10                                                    |
| Gain(dBi)                | 6 Typ.                                                  |
| Polarization             | Linear                                                  |
| 3dB Beamwidth(deg)       | E Plane: 90 Typ.                                        |
|                          | H Plane: 60 Typ.                                        |
| Cross Pol. Isolation(dB) | 35 Typ.                                                 |
| VSWR                     | 2.0:1 Typ.                                              |
| Output                   | Endlaunch 1.0mm-Female                                  |
| Material                 | Cu                                                      |
| Finish                   | Gold Plated and Chemical Conversion Coating, Gray Paint |
| Size(mm)                 | 10EWGE1.0: 101.6 x 101.6 x 179.4                        |
|                          | 10EWGE1.0-A1: 399.6 x 399.6 x 179.4                     |
| Net Weight(Kg)           | 10EWGE1.0: 0.18 Around                                  |
|                          | 10EWGE1.0-A1: 2.43 Around                               |

## Outline Drawing (Size: mm)

Endlaunch 1.0mm-Female Output (P/N: 10EWGE1.0)



**AINFO Inc.**

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

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

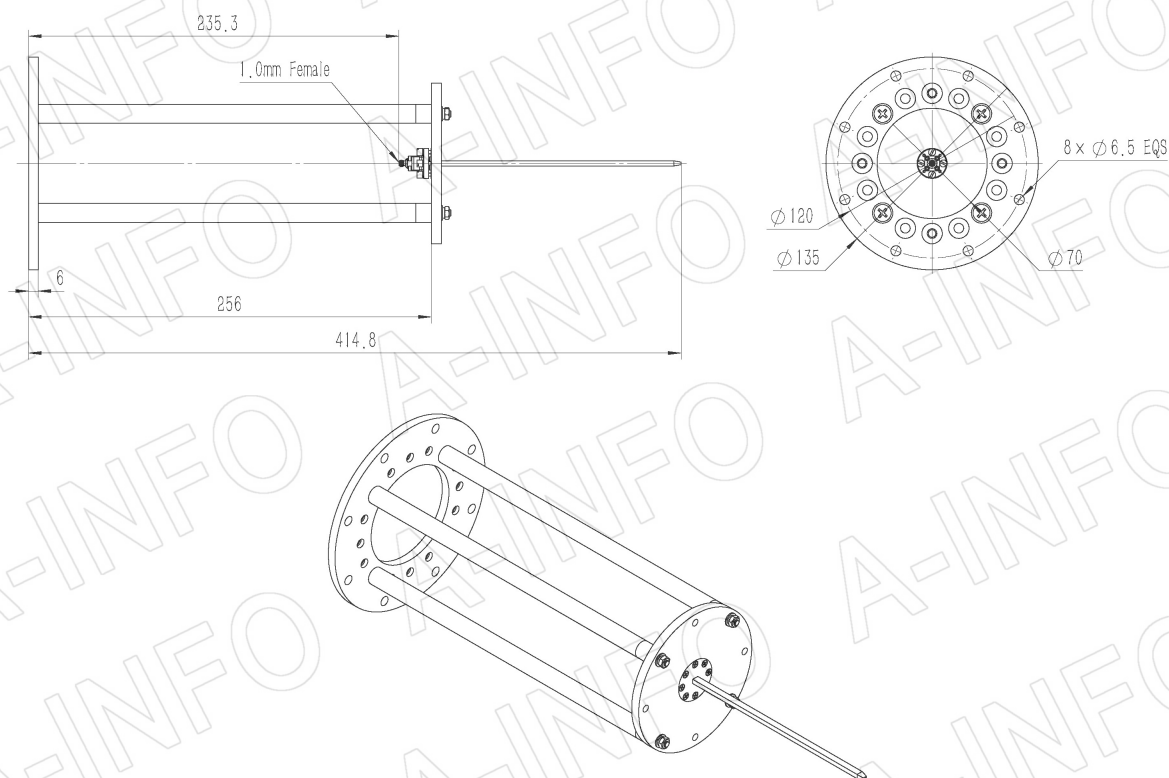
(+86) 10-6266-7327  
(+86) 28-8519-3044  
(+1) 949-639-9608

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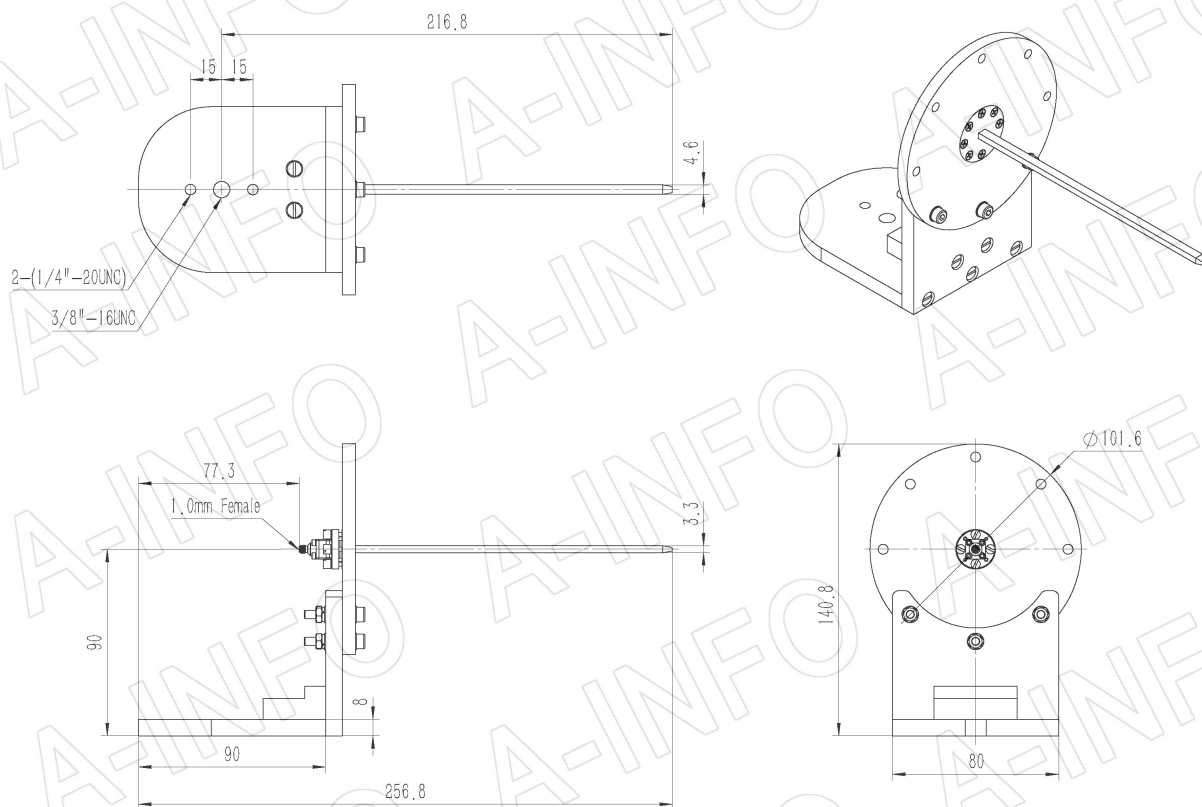
Fax: (+86) 10-6266-7379  
Fax: (+86) 28-8519-3068  
Fax: (+1) 949-639-9670

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

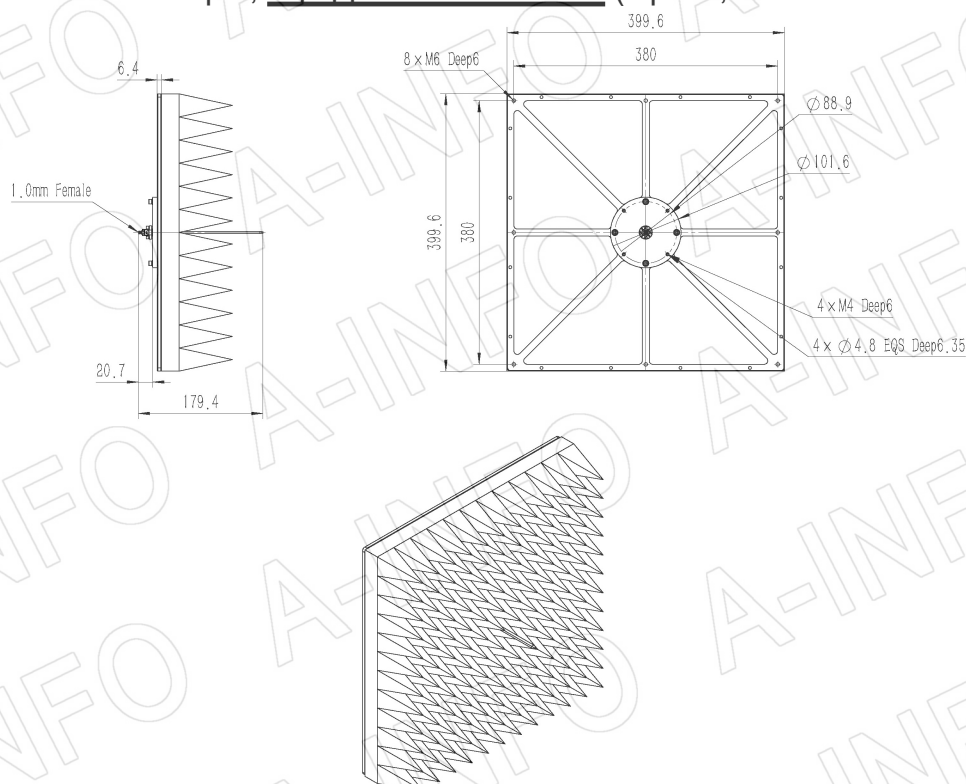
## Endlaunch 1.0mm-Female Output with Round Mounting Bracket (Option, P/N: EWG-MB40)



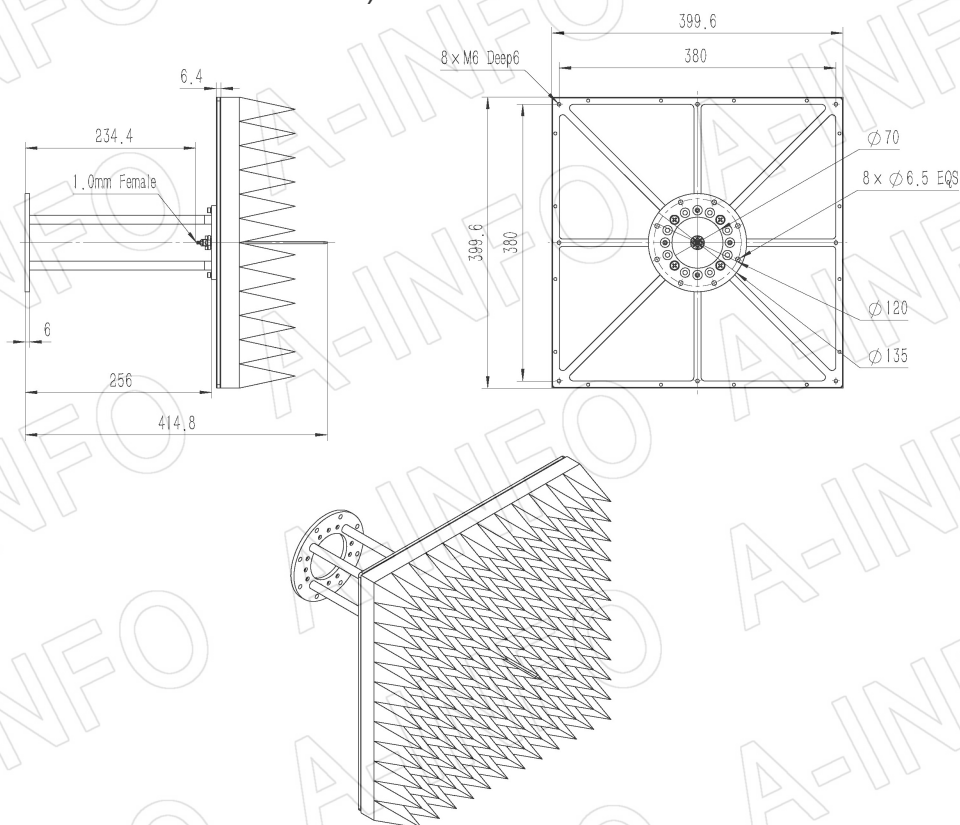
## Endlaunch 1.0mm-Female Output with L Type Mounting Bracket (Option, P/N: EWG-L30/FRP)



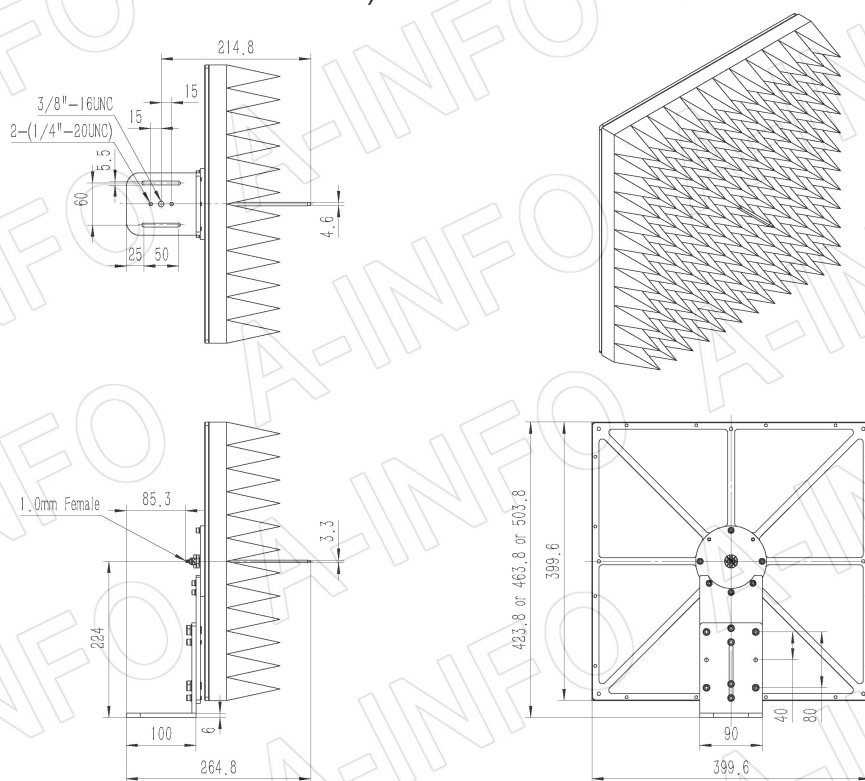
## Endlaunch 1.0mm-Female Output, Equipped with Absorber (Option, P/N: 10EWGE1.0-A1)



## Endlaunch 1.0mm-Female Output with Round Mounting Bracket & Equipped with Absorber (Option, P/N: EWG-MB40 & 10EWGE1.0-A1)

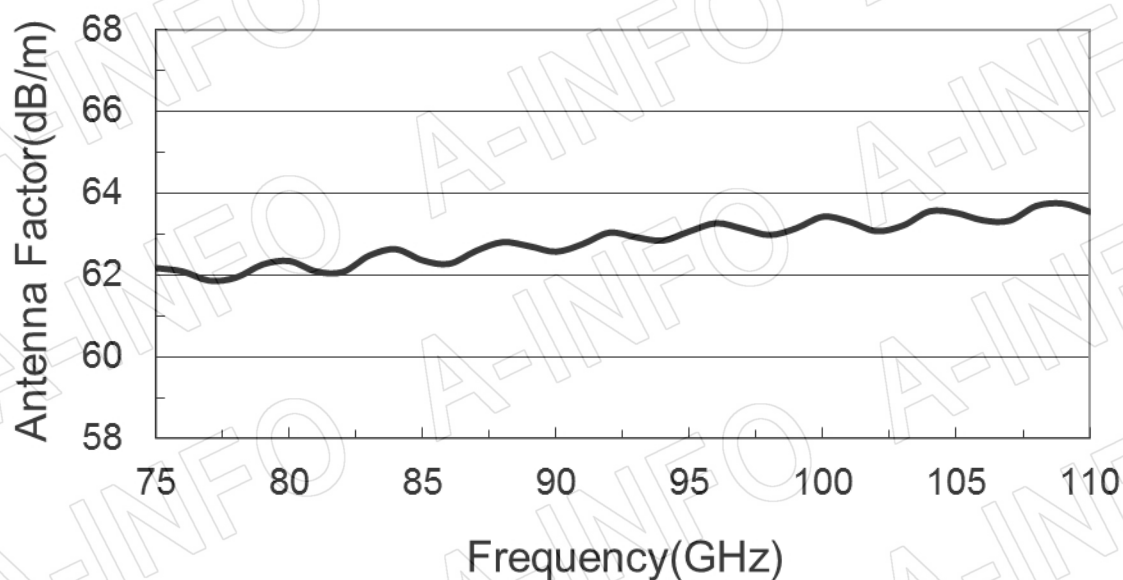
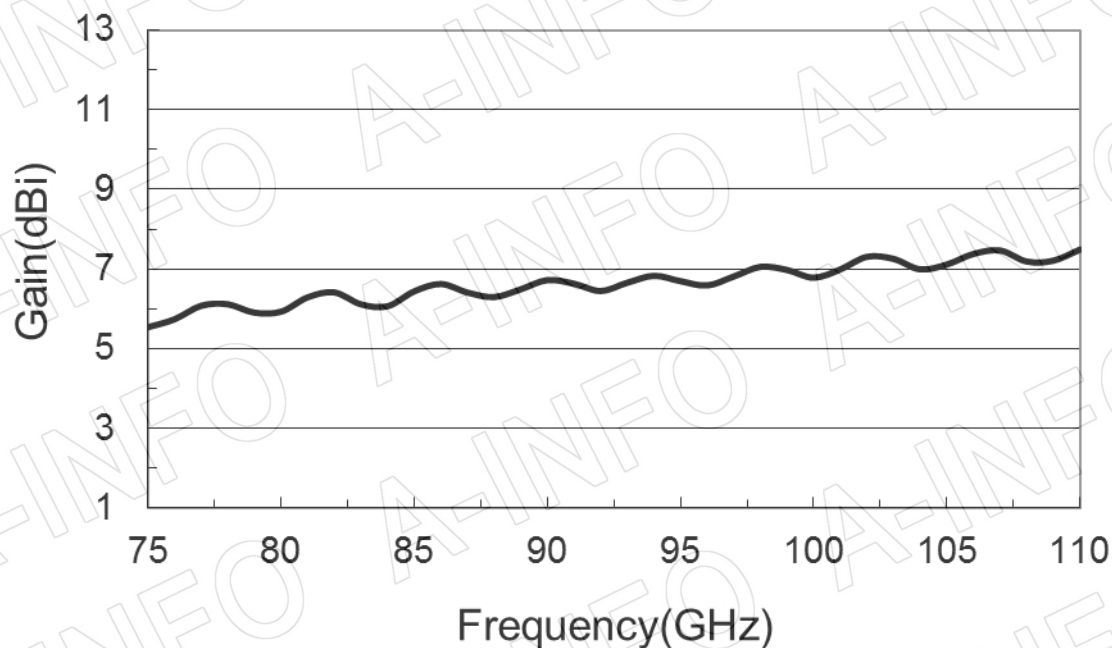


Endlaunch 1.0mm-Female Output with L Type Mounting Bracket & Equipped with Absorber  
(Option, P/N: EWG-L40 & 10EWGE1.0-A1)

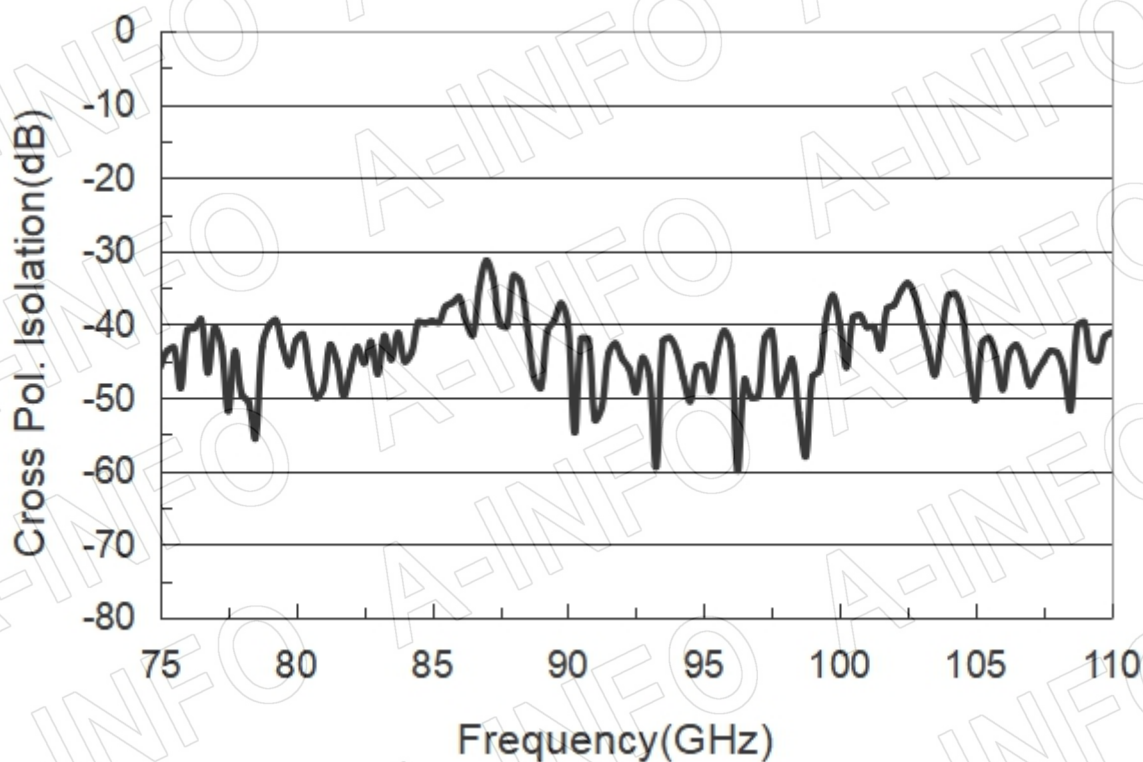


## Test Results

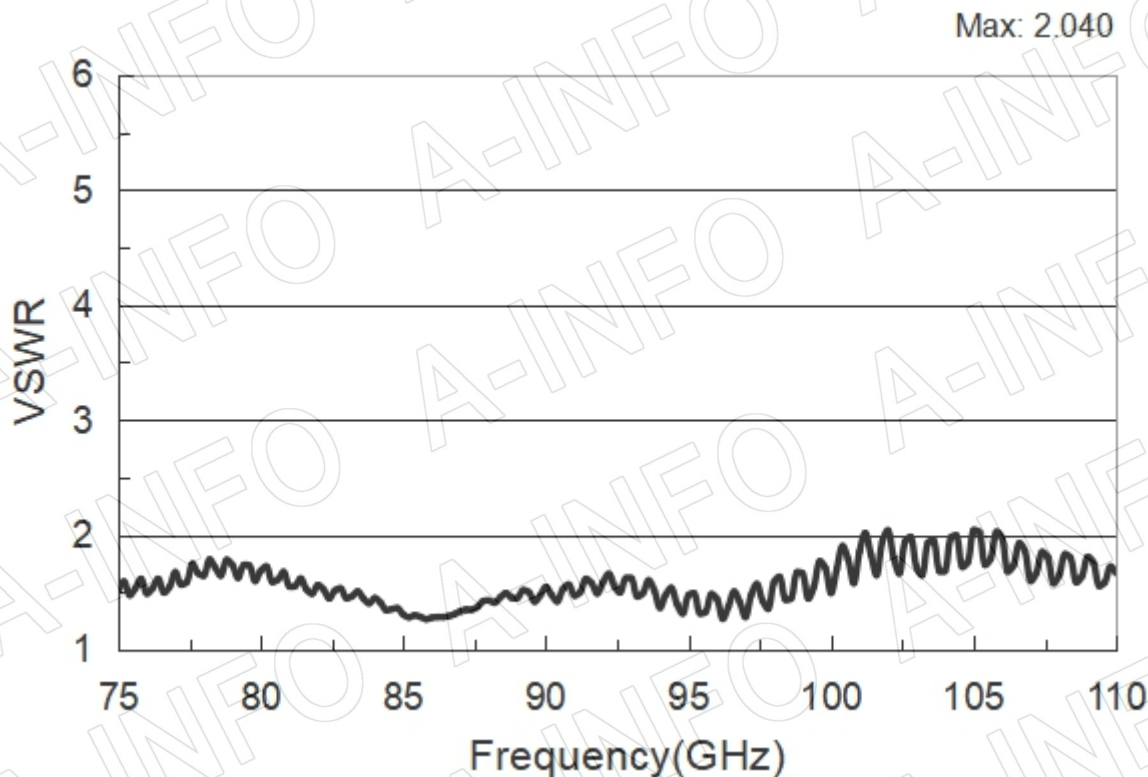
### 1. Gain & Antenna Factor



## 2. Cross Polarization Isolation

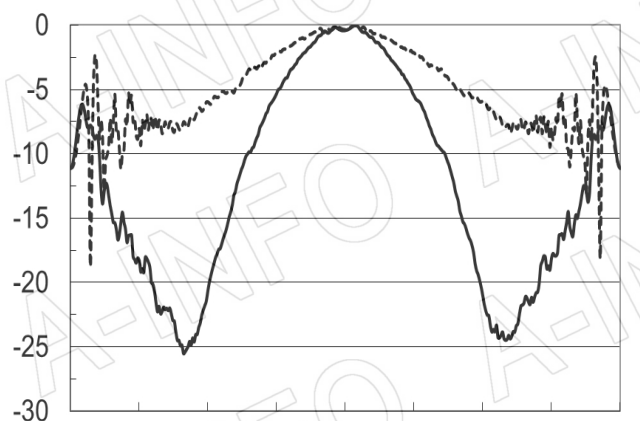


## 3. VSWR



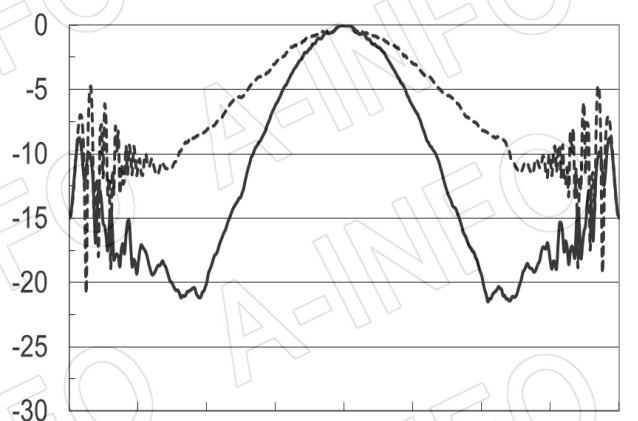
## 4. Pattern

Frequency: 75.0GHz



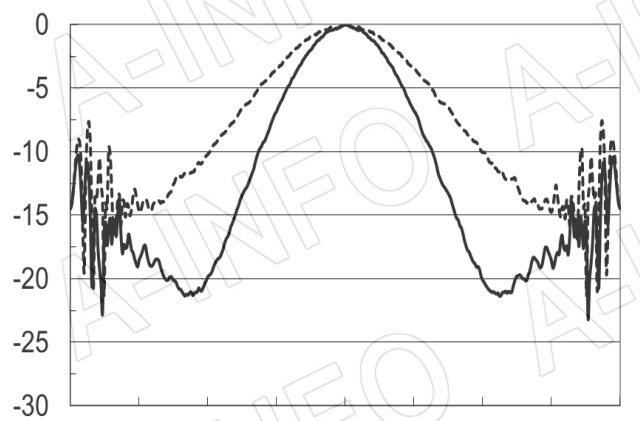
H-Plane — 3dB Beamwidth (deg): 64.50  
E-Plane - - - - 3dB Beamwidth (deg): 106.45

Frequency: 92.5GHz



H-Plane — 3dB Beamwidth (deg): 60.60  
E-Plane - - - - 3dB Beamwidth (deg): 90.65

Frequency: 110.0GHz



H-Plane — 3dB Beamwidth (deg): 57.30  
E-Plane - - - - 3dB Beamwidth (deg): 82.35