

## Technical Specification

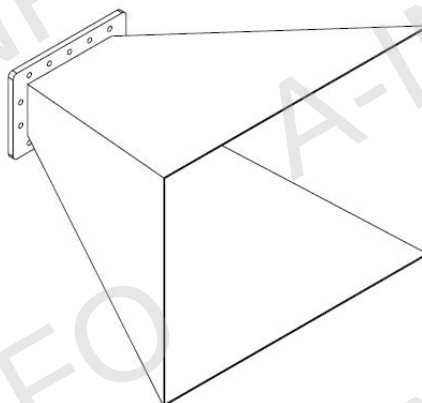
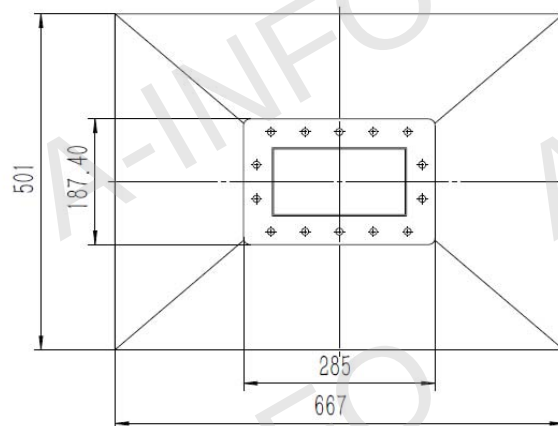
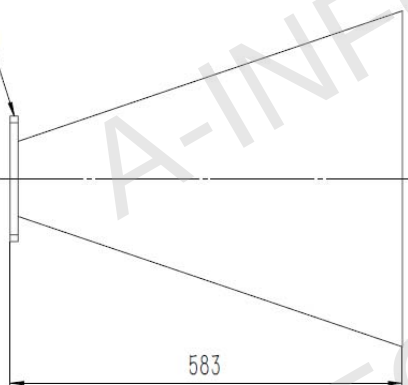


|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Frequency Range(GHz) | 0.96 - 1.45                                            |
| Gain(dB)             | 15 Typ.                                                |
| Waveguide            | WR770                                                  |
| Material             | Al                                                     |
| Output               | A Type: FDP12(UDR12)<br>C Type: N-F or SMA-F or 7/16-F |
| Size(mm)             | A Type: 667x501x583 /<br>C Type: 667x501x749           |
| Net Weight(Kg)       | A Type: 8.5 Around<br>C Type: 11.5 Around              |

## Outline Drawing (Size: mm)

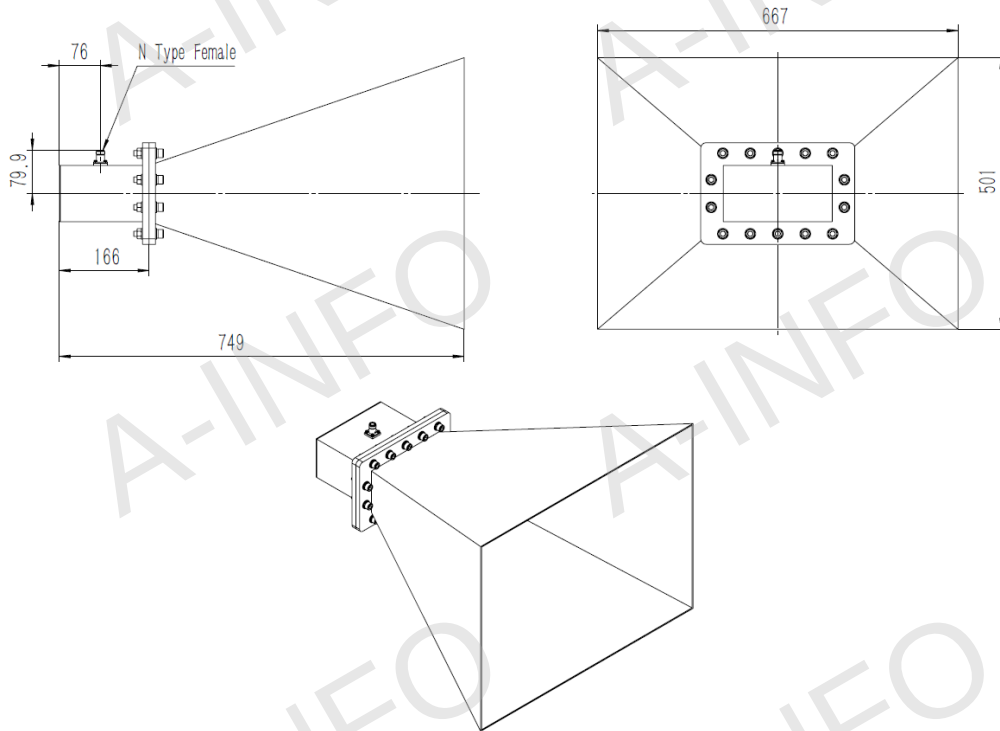
A Type (With FDP12 Output)

FDP12(UDR12)



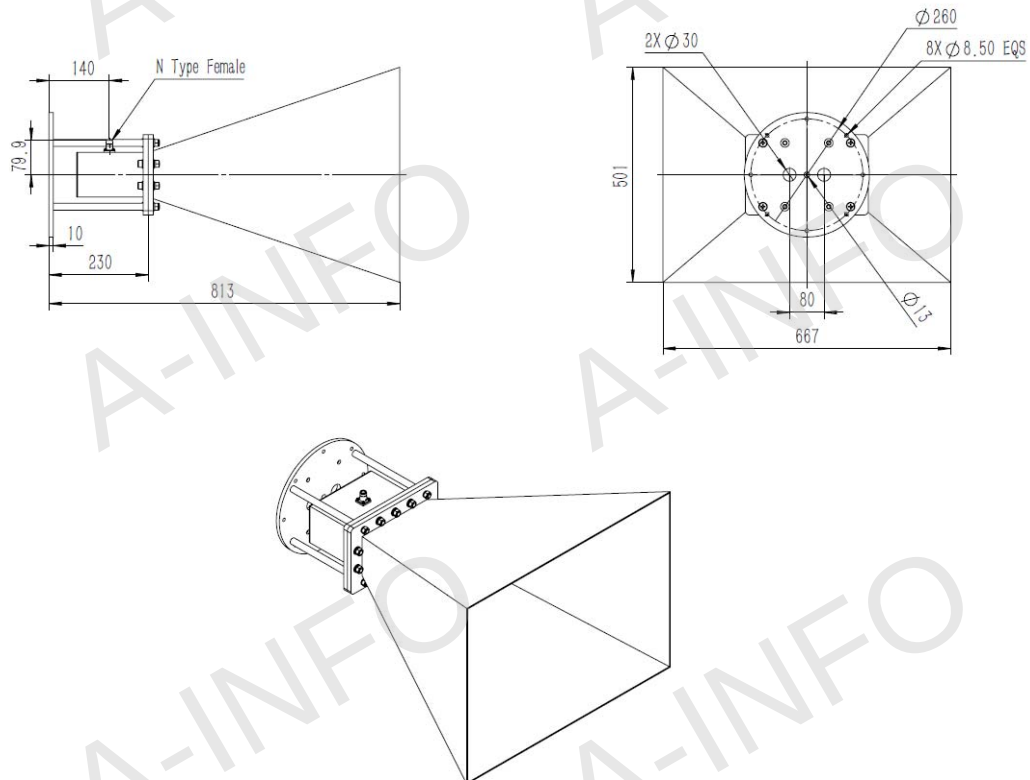
## C Type (With N type Female Output)

For SMA-Female or 7/16-Female output outline drawing, please contact A-INFO.



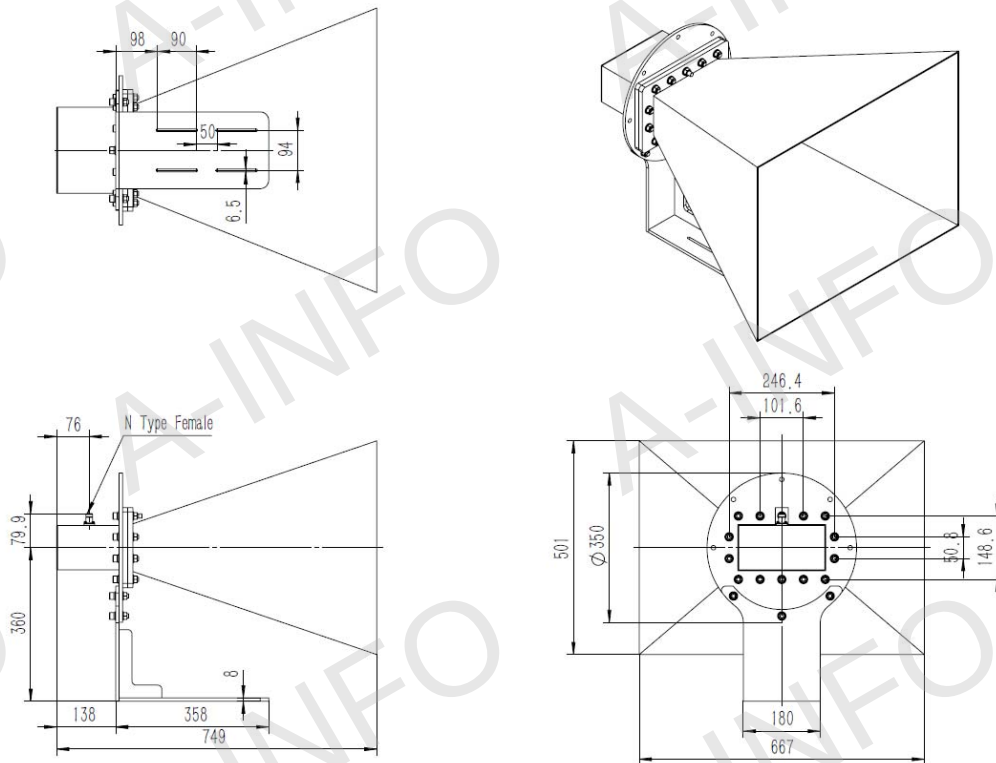
## C Type (With N type Female Output & Round Mounting Bracket)

For SMA-Female or 7/16-Female output outline drawing, please contact A-INFO.

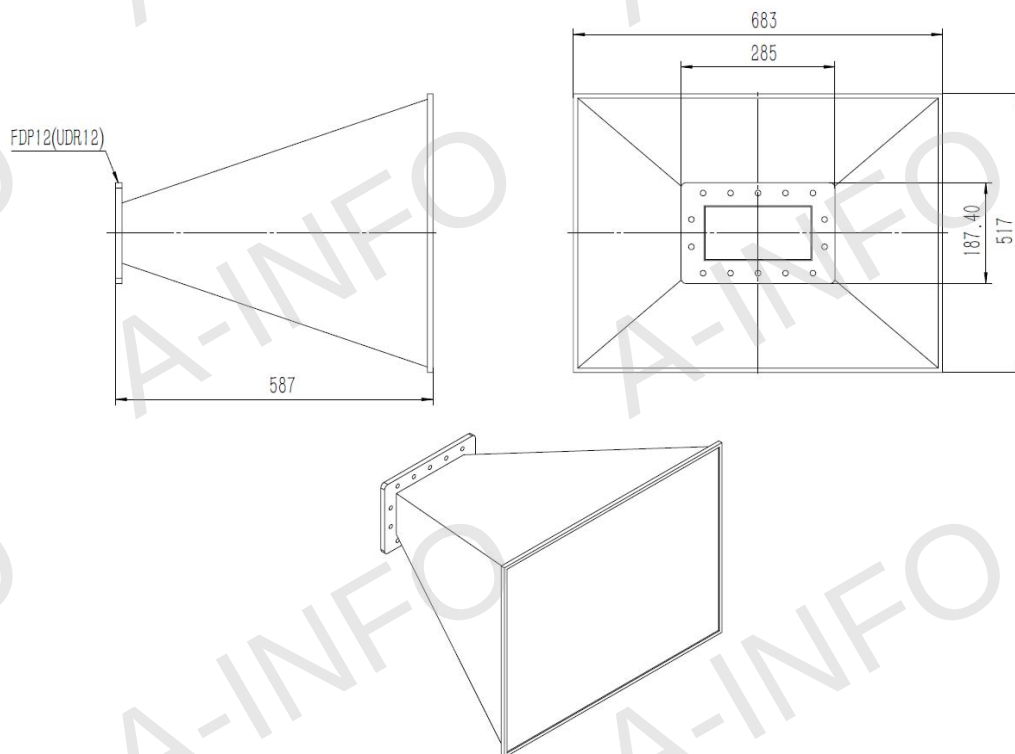


## C Type (With N type Female Output & L Type Mounting Bracket)

For SMA-Female or 7/16-Female output outline drawing, please contact A-INFO.



## A Type (With Radome)



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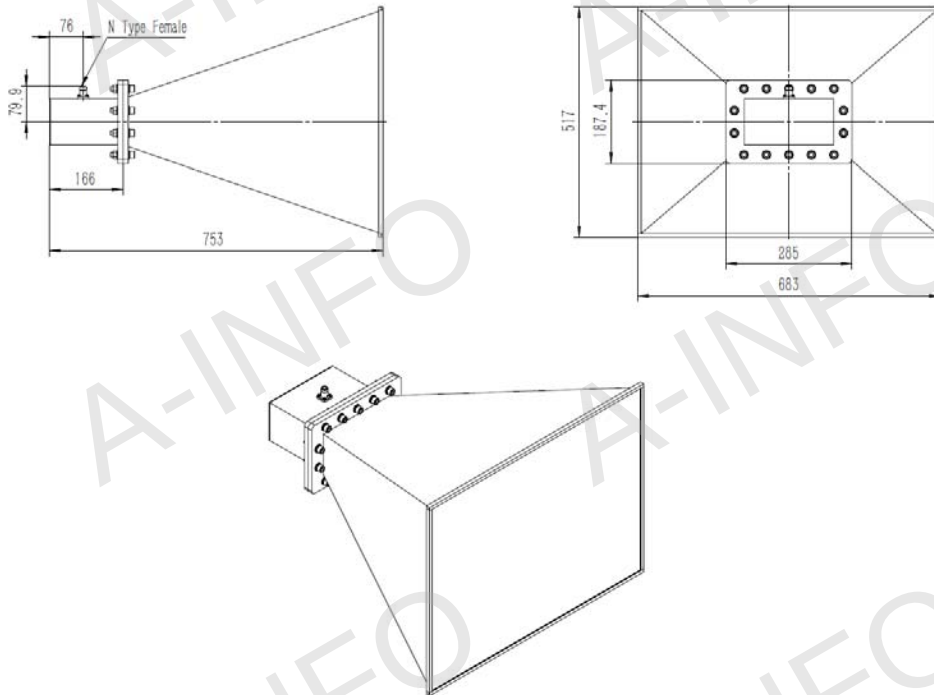
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Website: [www.ainfoinc.com](http://www.ainfoinc.com)  
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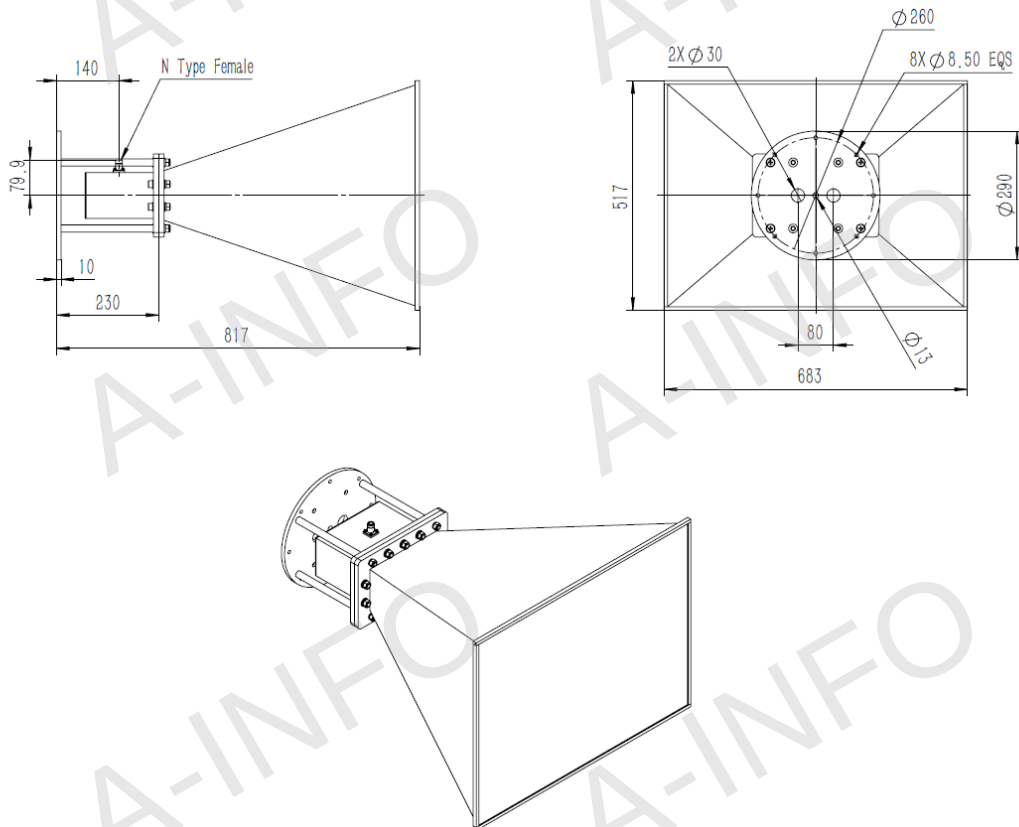
## C Type (With N type Female Output & Radome)

For SMA-Female or 7/16-Female output outline drawing, please contact A-INFO.



## C Type (With N type Female Output & Round Mounting Bracket & Radome)

For SMA-Female or 7/16-Female output outline drawing, please contact A-INFO.



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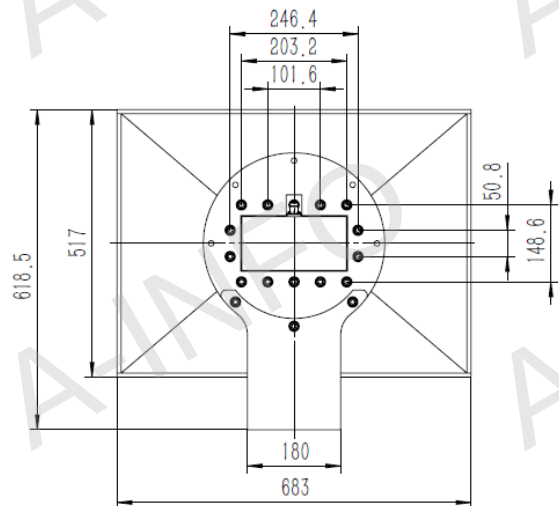
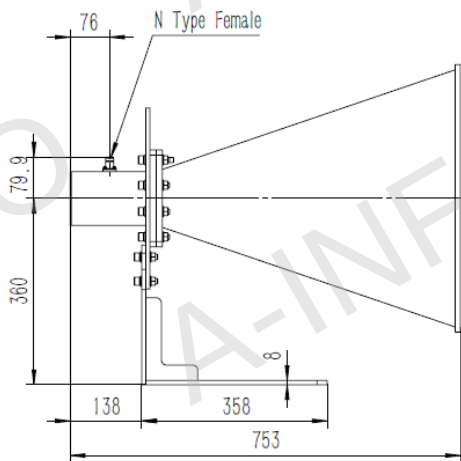
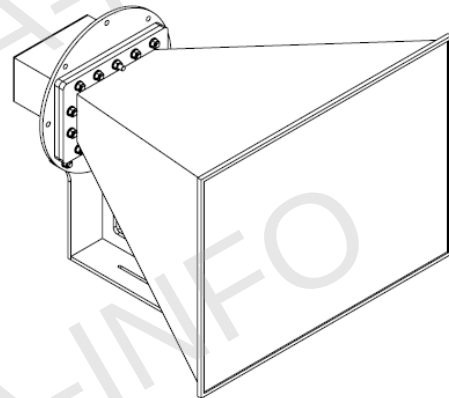
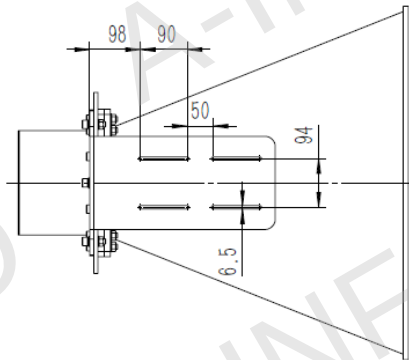
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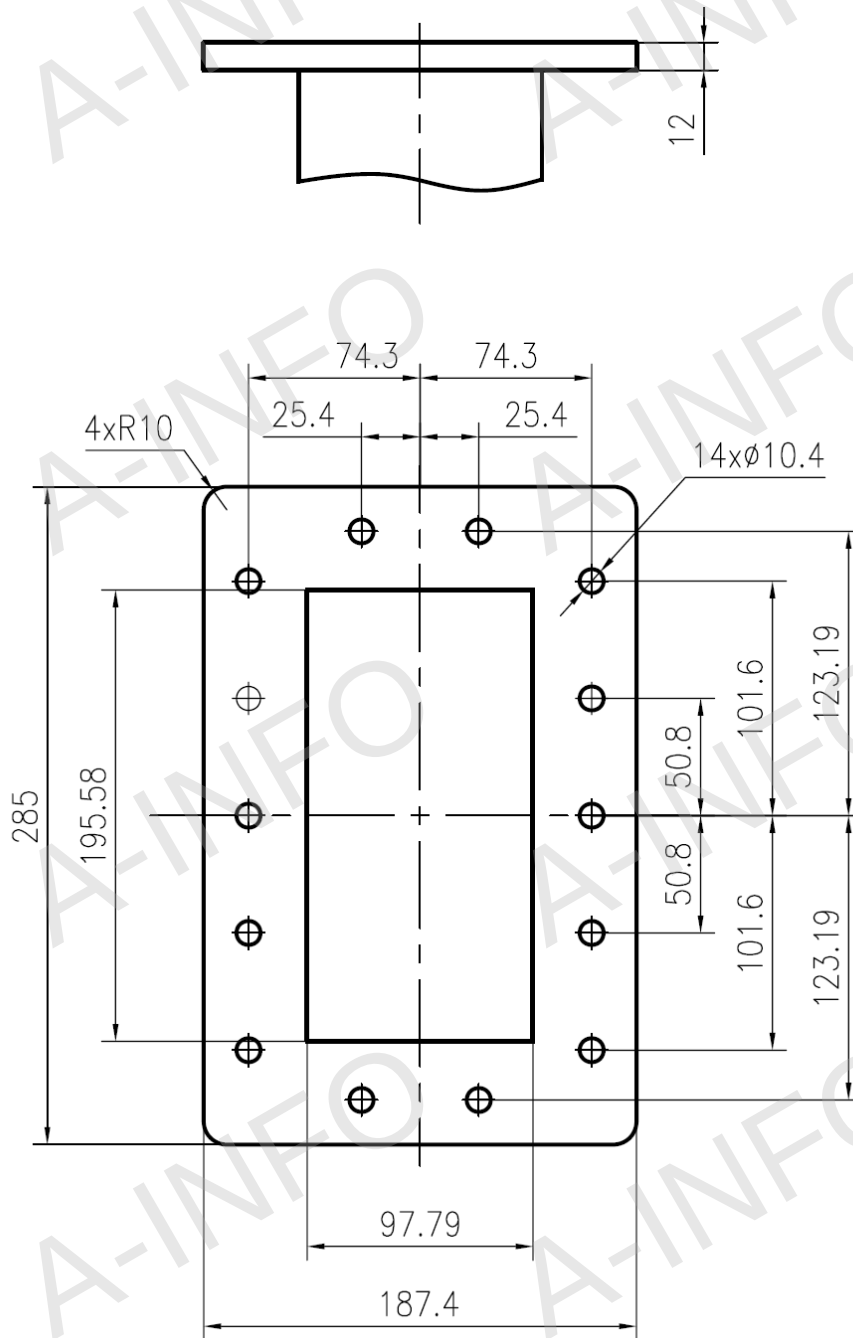
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## C Type (With N type Female Output & L Type Mounting Bracket & Radome)

For SMA-Female or 7/16-Female output outline drawing, please contact A-INFO.



## Flange Drawing (Size: mm)



FDP12

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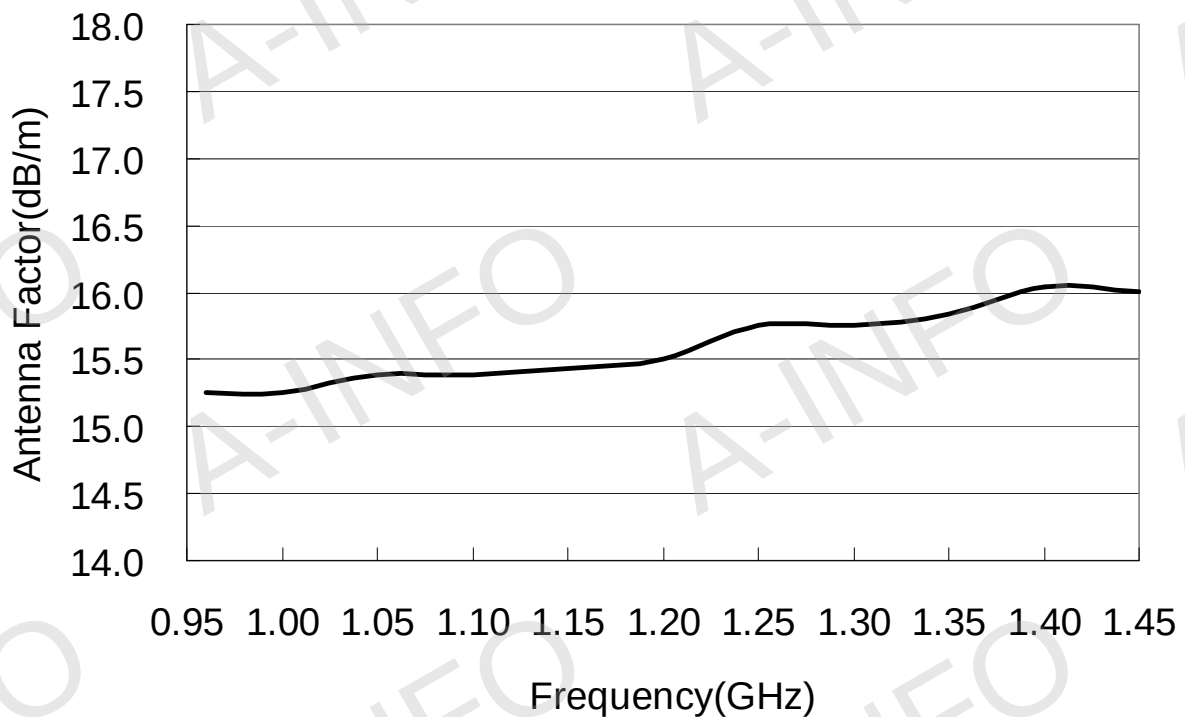
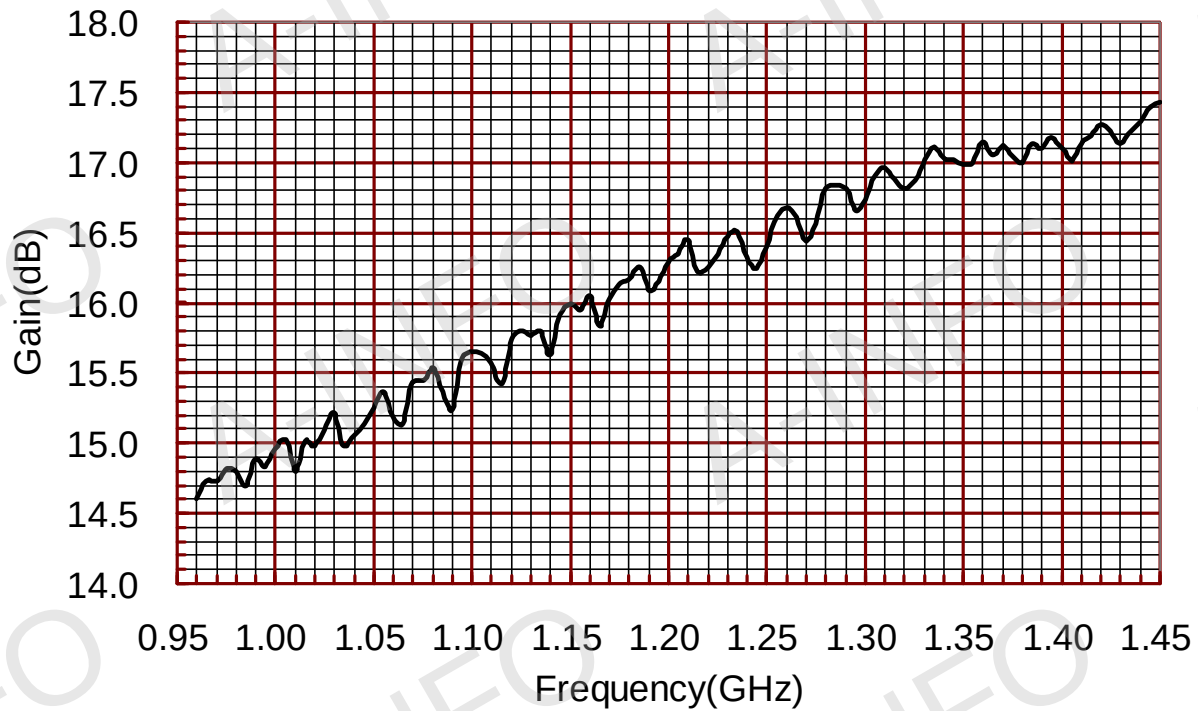
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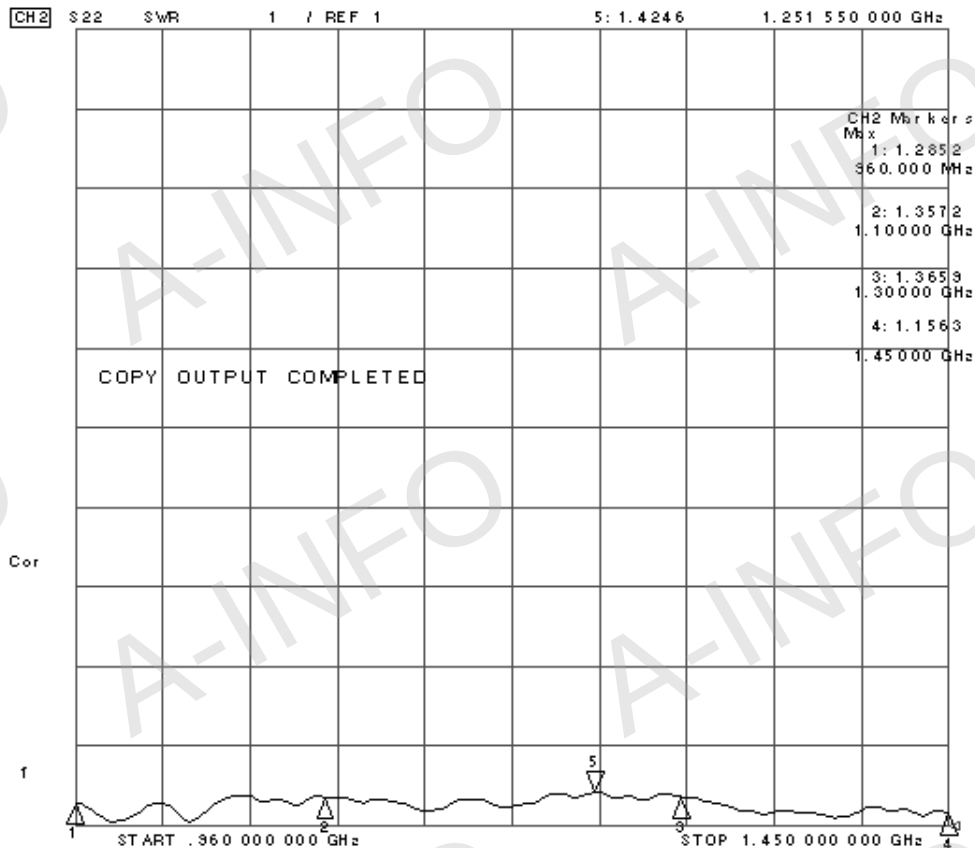
## Test Results

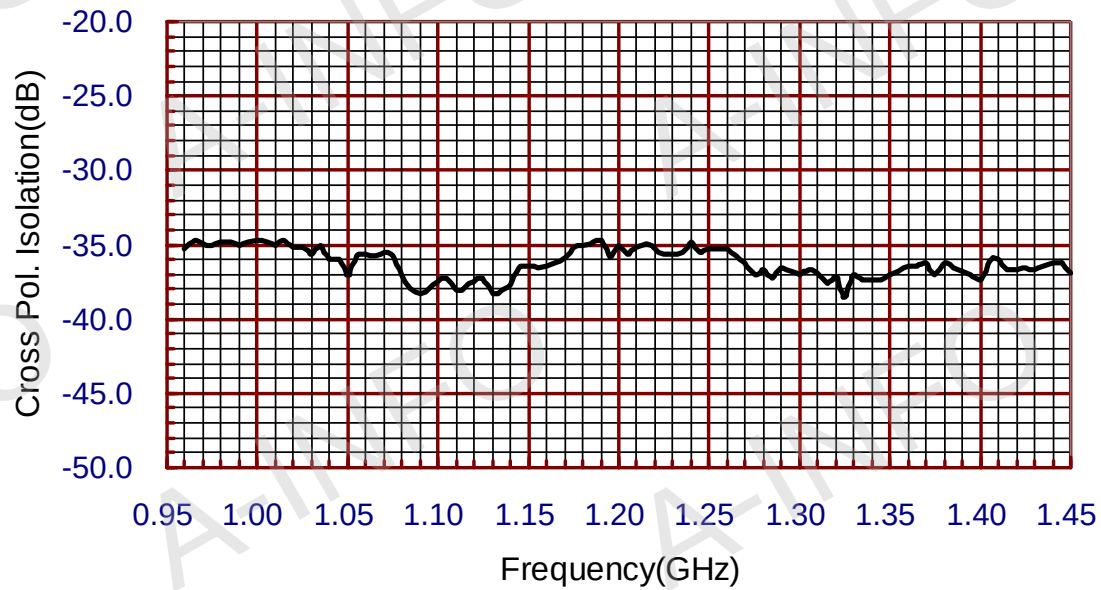
### 1. Gain and Antenna Factor



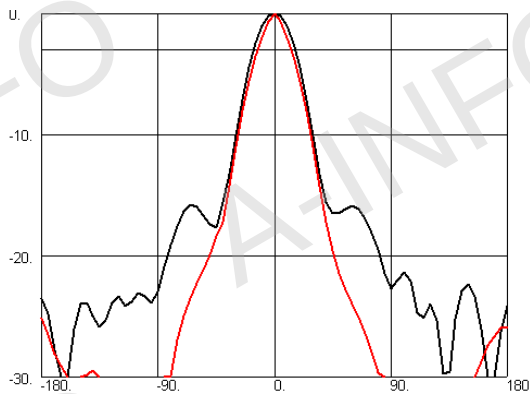
| Frequency(GHz) | Gain(dB) | Antenna Factor(dB/m) |
|----------------|----------|----------------------|
| 0.96           | 14.61    | 15.25                |
| 1.00           | 14.96    | 15.25                |
| 1.05           | 15.25    | 15.38                |
| 1.10           | 15.65    | 15.39                |
| 1.15           | 16.00    | 15.43                |
| 1.20           | 16.29    | 15.51                |
| 1.25           | 16.39    | 15.76                |
| 1.30           | 16.73    | 15.75                |
| 1.35           | 16.98    | 15.83                |
| 1.40           | 17.10    | 16.04                |
| 1.45           | 17.43    | 16.01                |

## 2. VSWR



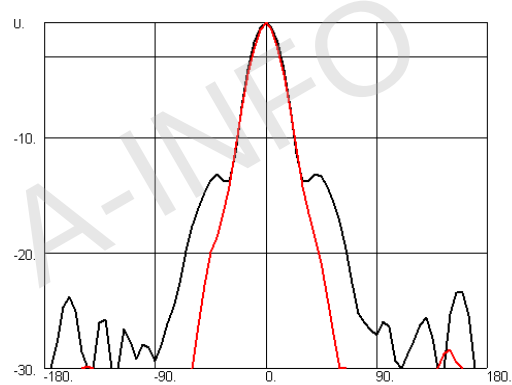
**3. Cross Polarization Isolation****4. Pattern**

0.96GHz



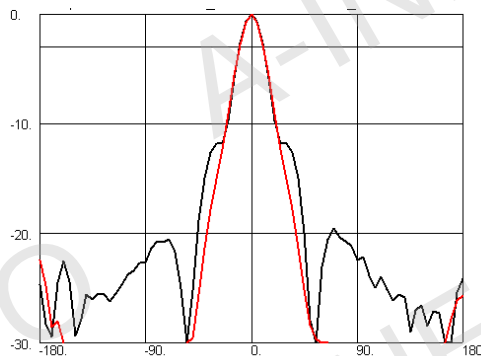
3dB Beamwidth (deg): 26.77    3dB Beamwidth (deg): 32.65

1.205GHz



3dB Beamwidth (deg): 22.99    3dB Beamwidth (deg): 25.45

1.45GHz



3dB Beamwidth (deg): 20.81    3dB Beamwidth (deg): 21.24

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