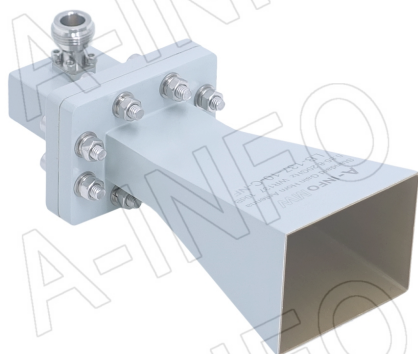


For reference only. See data sheet for the detailed specifications.

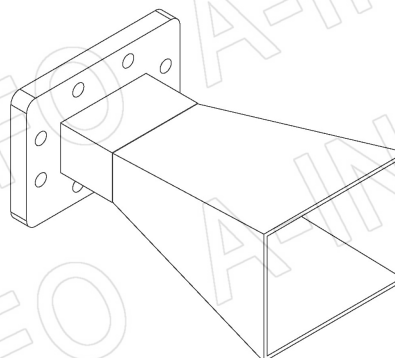
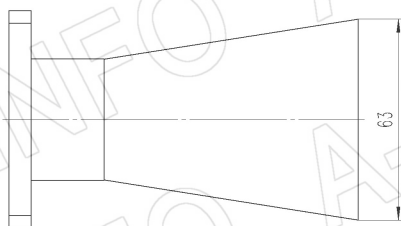
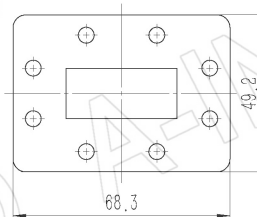
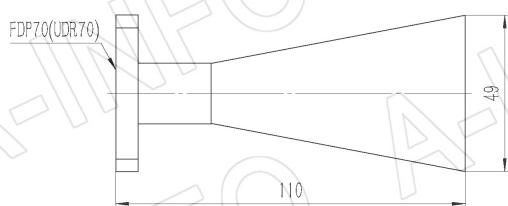
Technical Specification



Frequency Range(GHz)	5.85 – 8.20
Waveguide	WR137
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 42 Typ.
	H Plane: 41 Typ.
Cross Pol. Isolation(dB)	30 Typ.
VSWR	A Type: 1.15:1 Typ.
	C Type: 1.25:1 Typ.
Output	A Type: FDP70(UDR70)
	N-Female or SMA-Female C Type: or TNC-Female or 7mm or 3.5mm-Female
Material	Al
Finish	Chemical Conversion Coating, Gray Paint
Size(mm)	A Type: 68.3 x 49.2 x 110
	C Type: 68.3 x 56.5 x 158
Net Weight(Kg)	A Type: 0.13 Around
	C Type: 0.25 Around

Outline Drawing (Size: mm)

FDP70 Output (P/N: LB-137-10-A)



AINFO Inc.

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

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

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

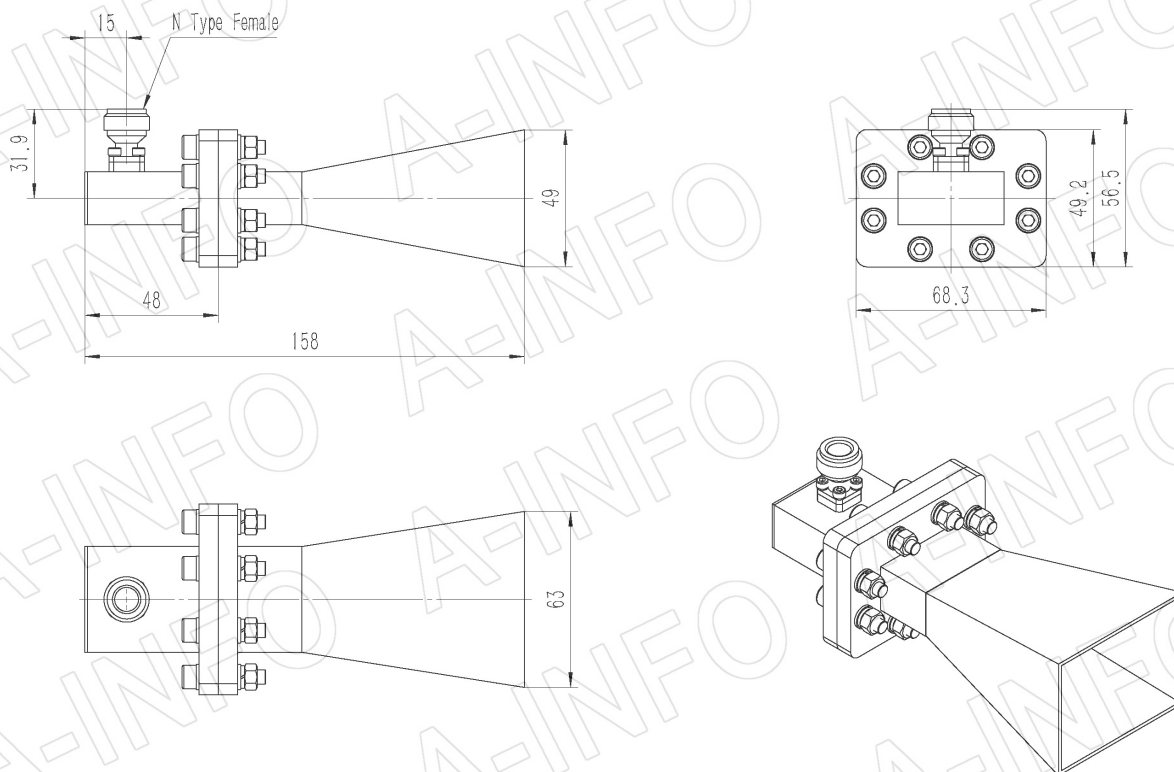
Page 1 of 10

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

Website: www.ainfoinc.com
Email: sales@ainfoinc.com

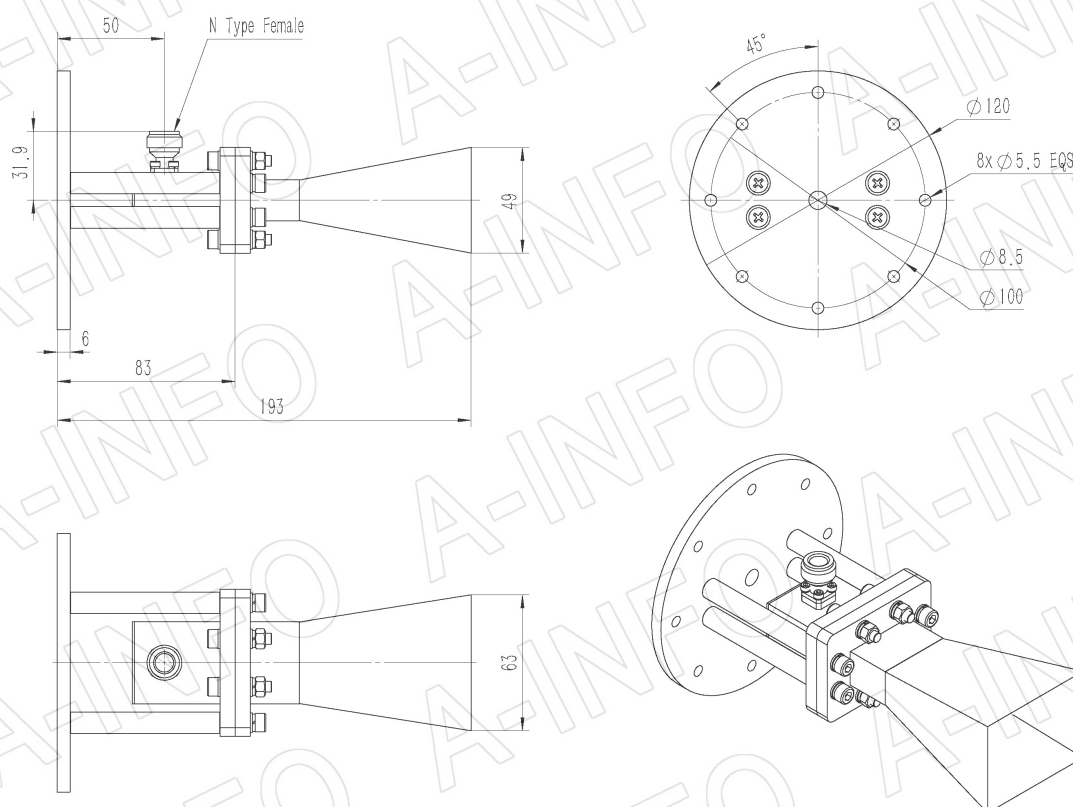
N-Female Output (P/N: LB-137-10-C-NF)

For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



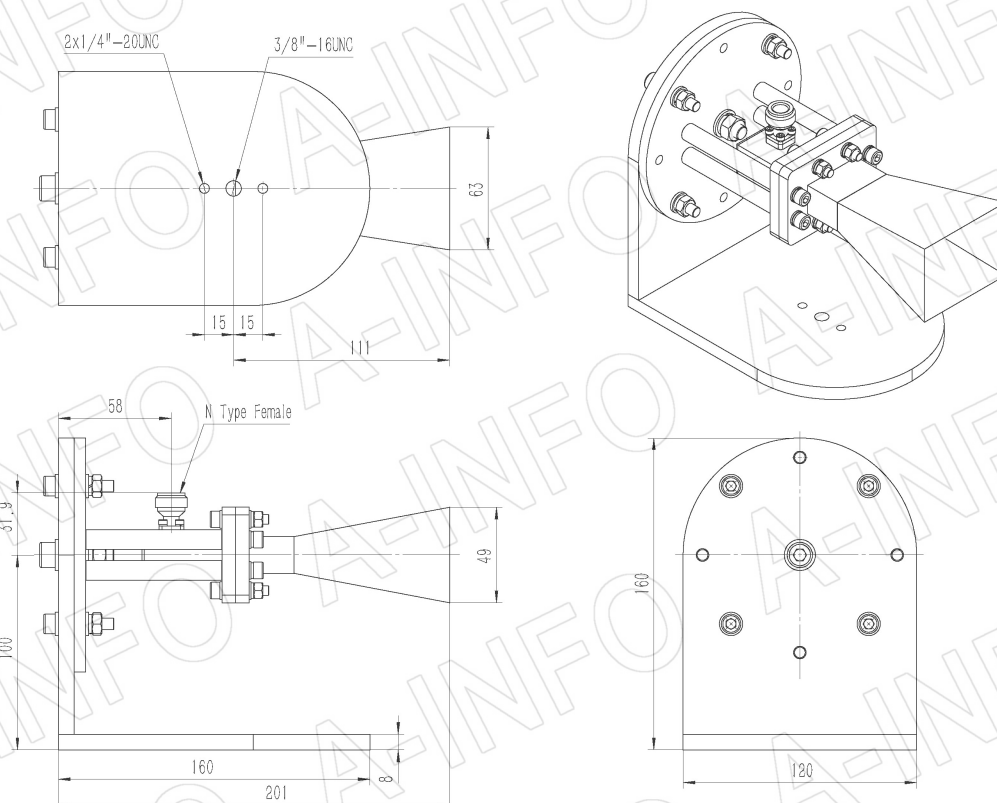
N-Female Output with Round Mounting Bracket (Option, P/N: LB-137-10-C-MB)

For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

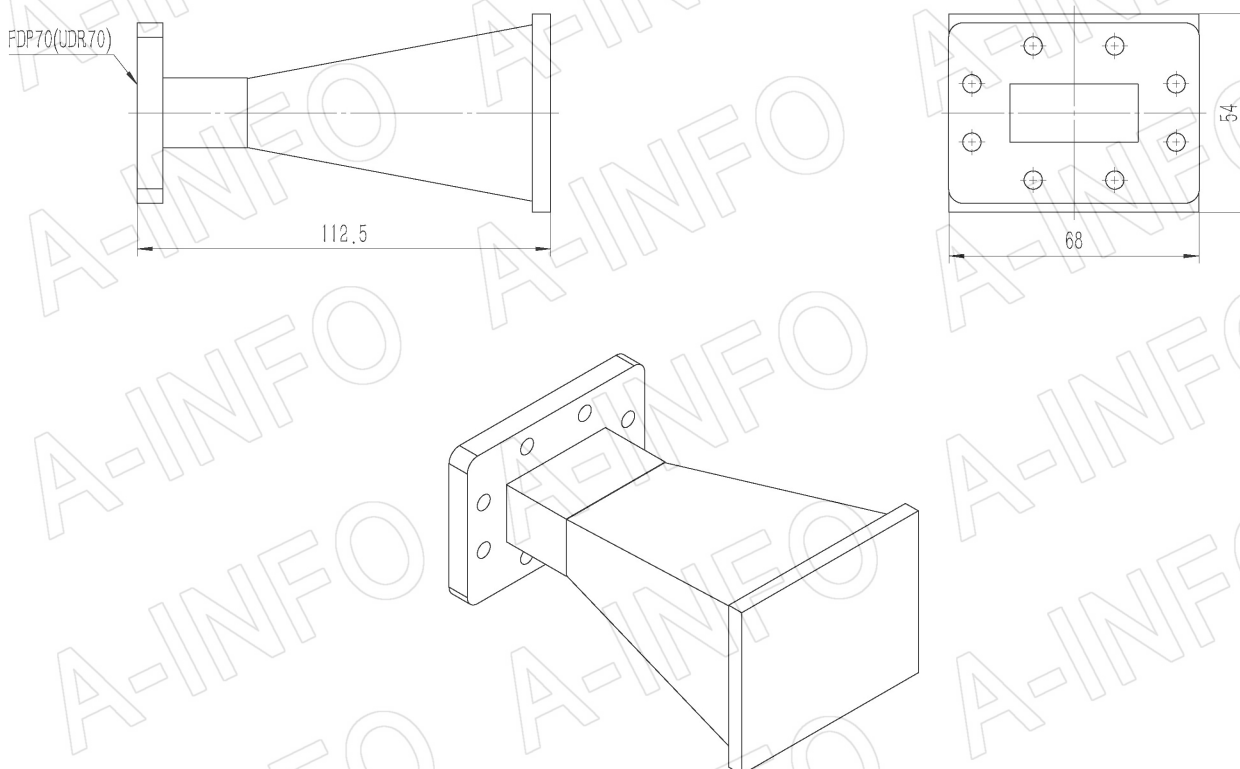


N-Female Output with L Type Mounting Bracket (Option, P/N:LB-137-10-C-MBL)

For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

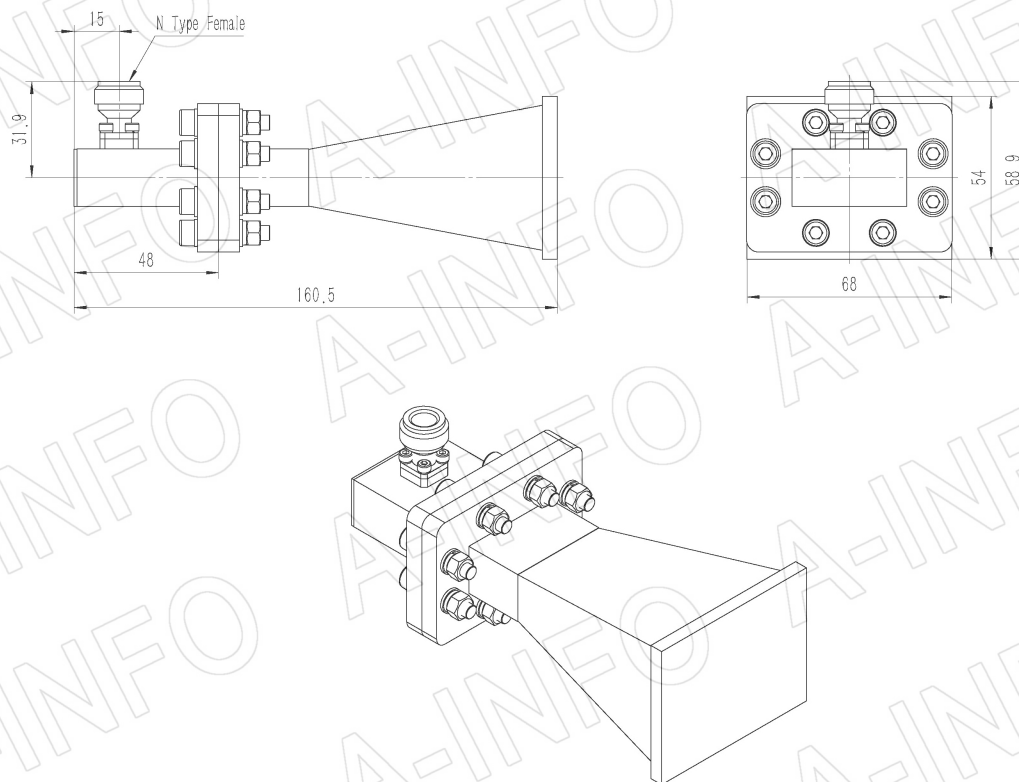


FDP70 Output with Radome (Option, P/N: LB-137-10-ASPO, Outdoor Application)



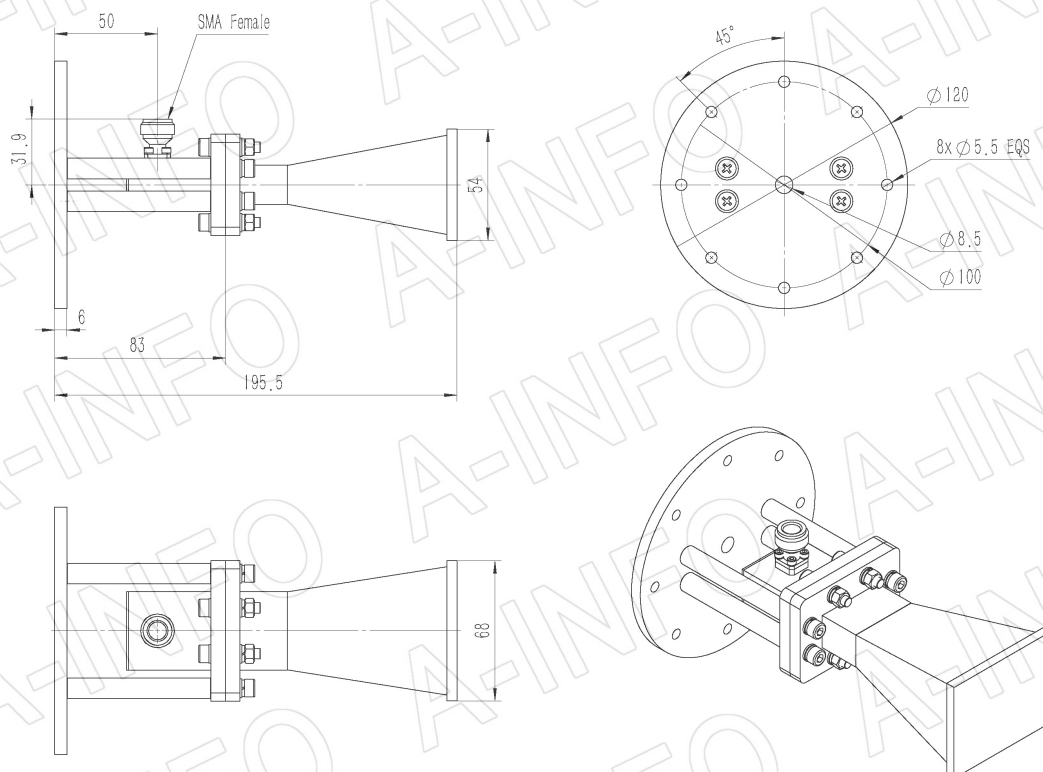
N-Female Output with Radome (Option, P/N: LB-137-10-C-NFSPO, Outdoor Application)

For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



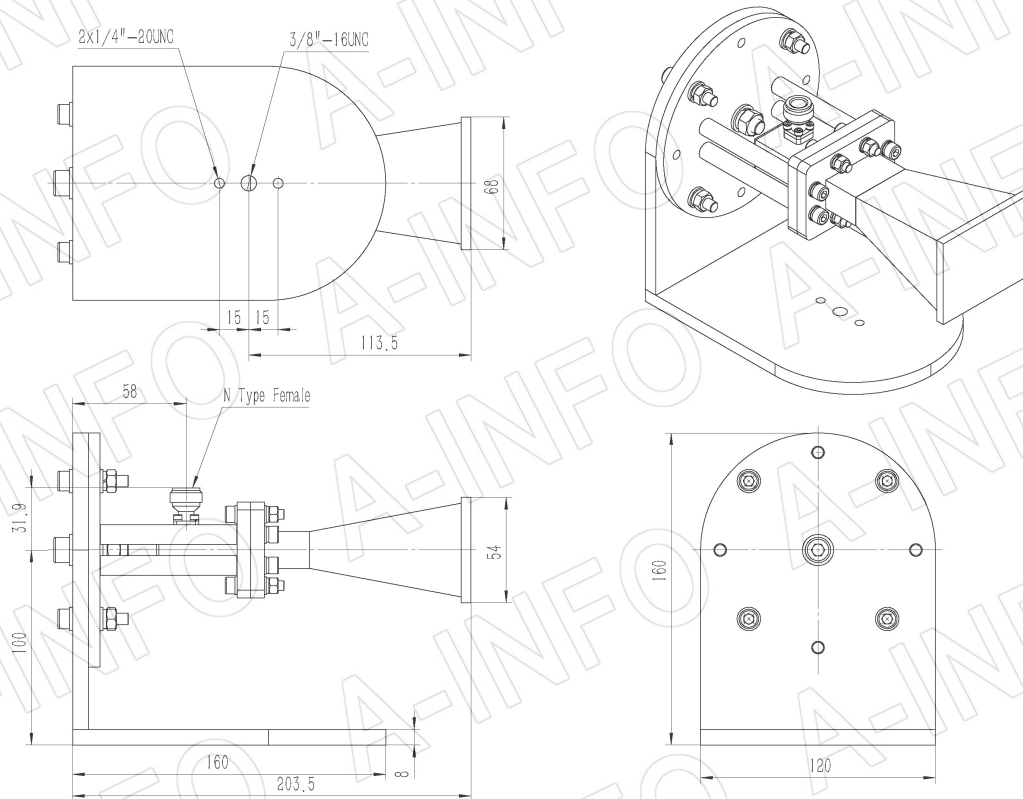
N-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-137-10-C-MB & LB- 137-10-C-NFSPO, Outdoor Application)

For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.

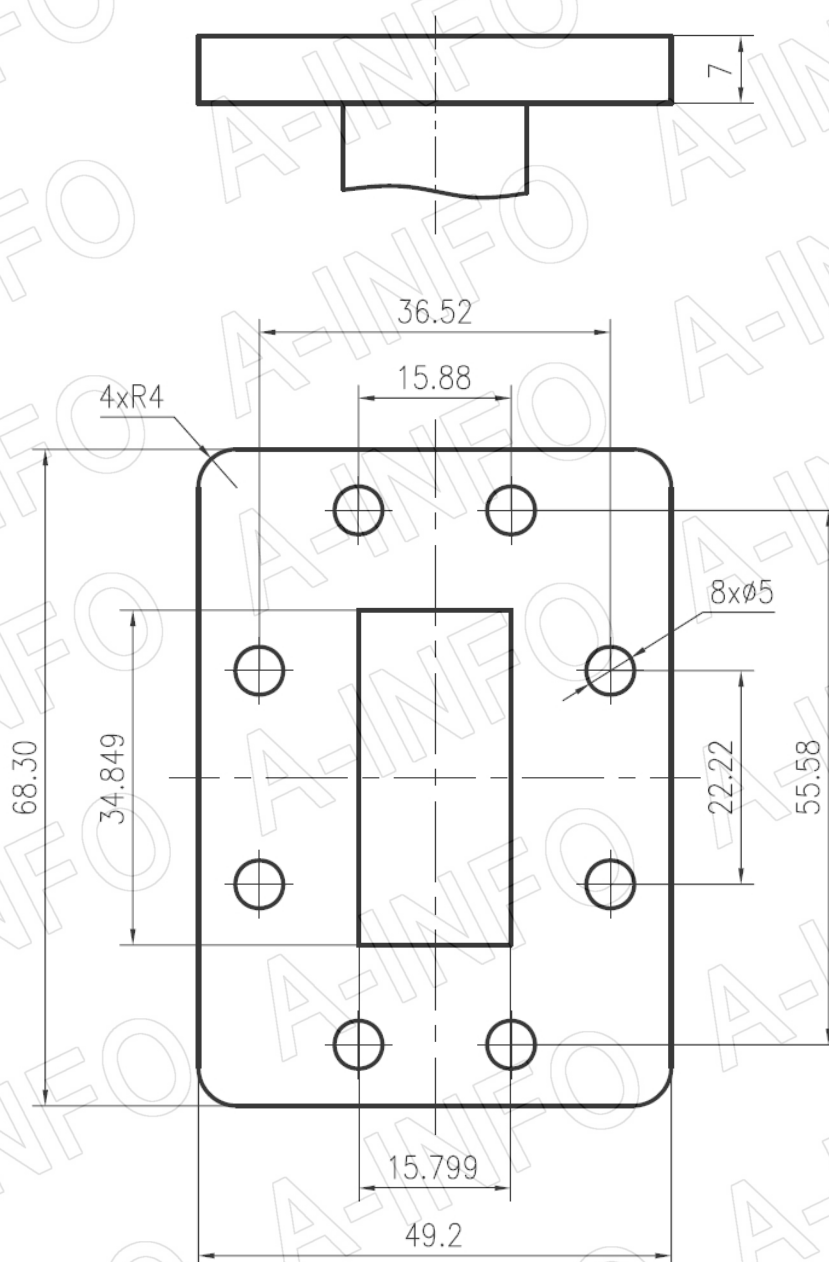


N-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-137-10-C-MBL & LB-137-10-C-NFSPO, Outdoor Application)

For SMA-Female, TNC- Female, 7mm or 3.5mm-Female output outline drawing, please contact A-INFO.



Flange Drawing (Size: mm)



FDP70

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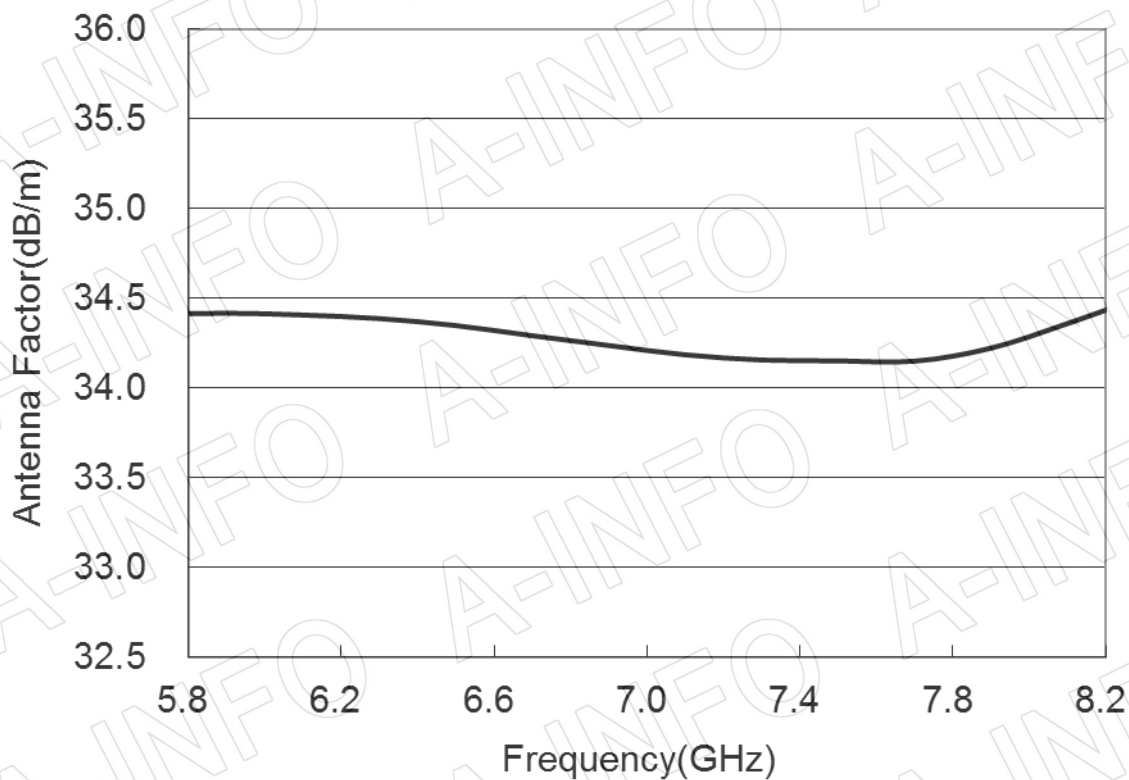
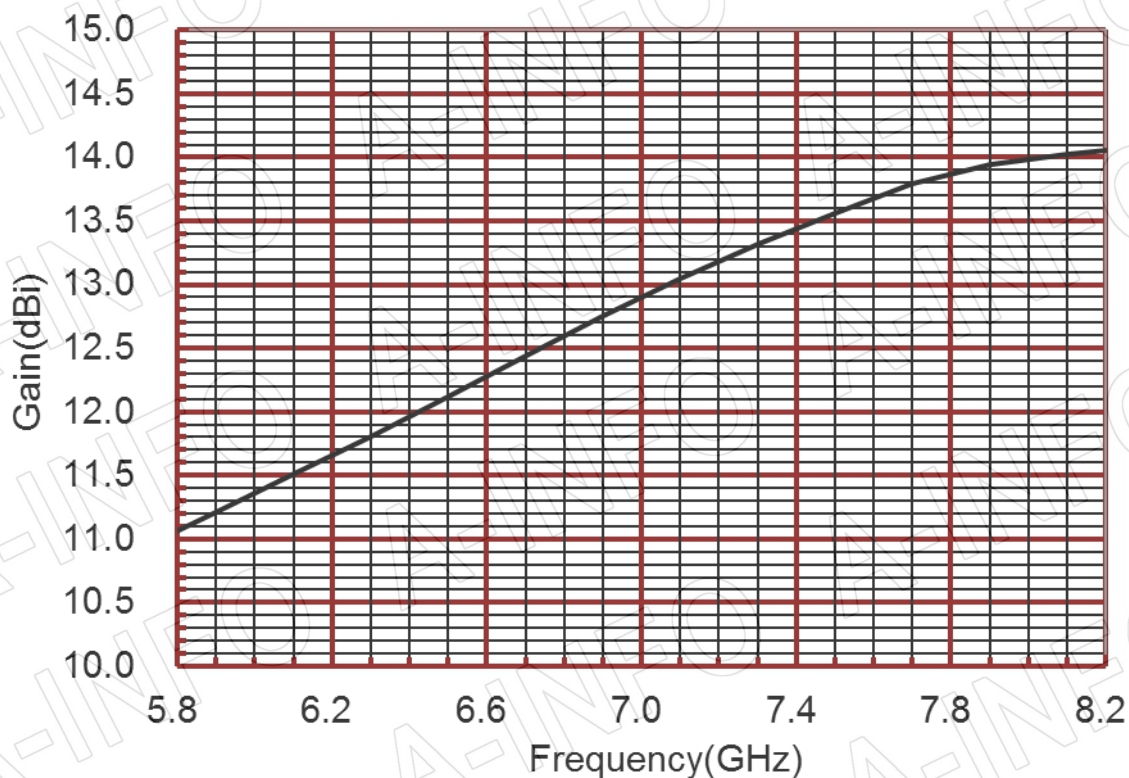
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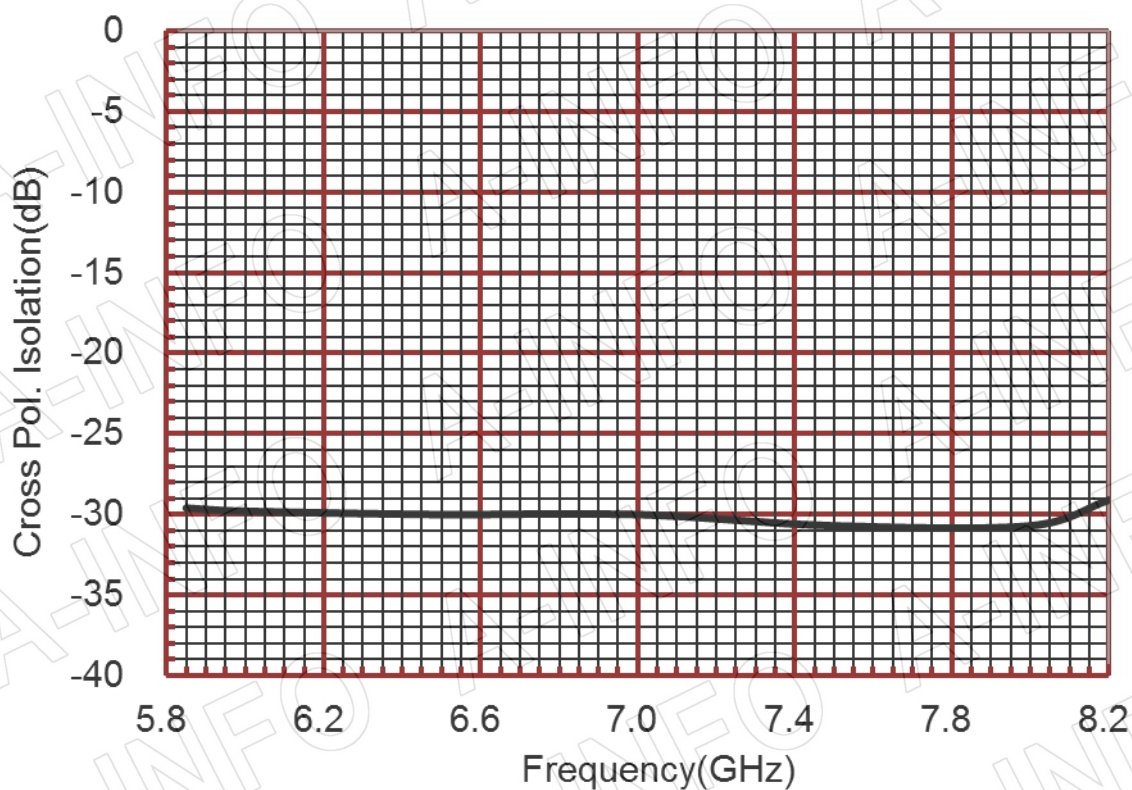
Test Results

1. Gain & Antenna Factor

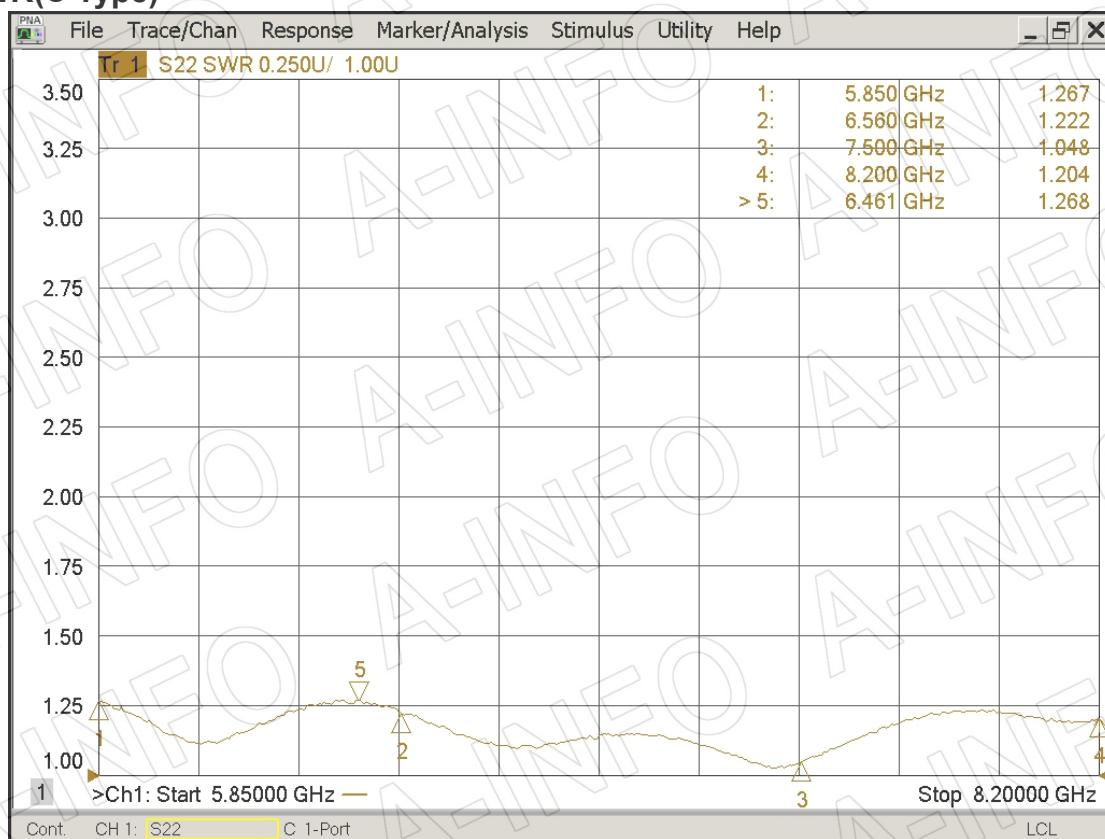


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
5.7	10.92	34.41
5.9	11.21	34.42
6.1	11.51	34.41
6.3	11.81	34.39
6.5	12.12	34.35
6.7	12.44	34.29
6.9	12.75	34.24
7.1	13.05	34.19
7.3	13.32	34.16
7.5	13.56	34.15
7.7	13.79	34.15
7.9	13.94	34.22
8.1	14.02	34.36
8.3	14.08	34.51

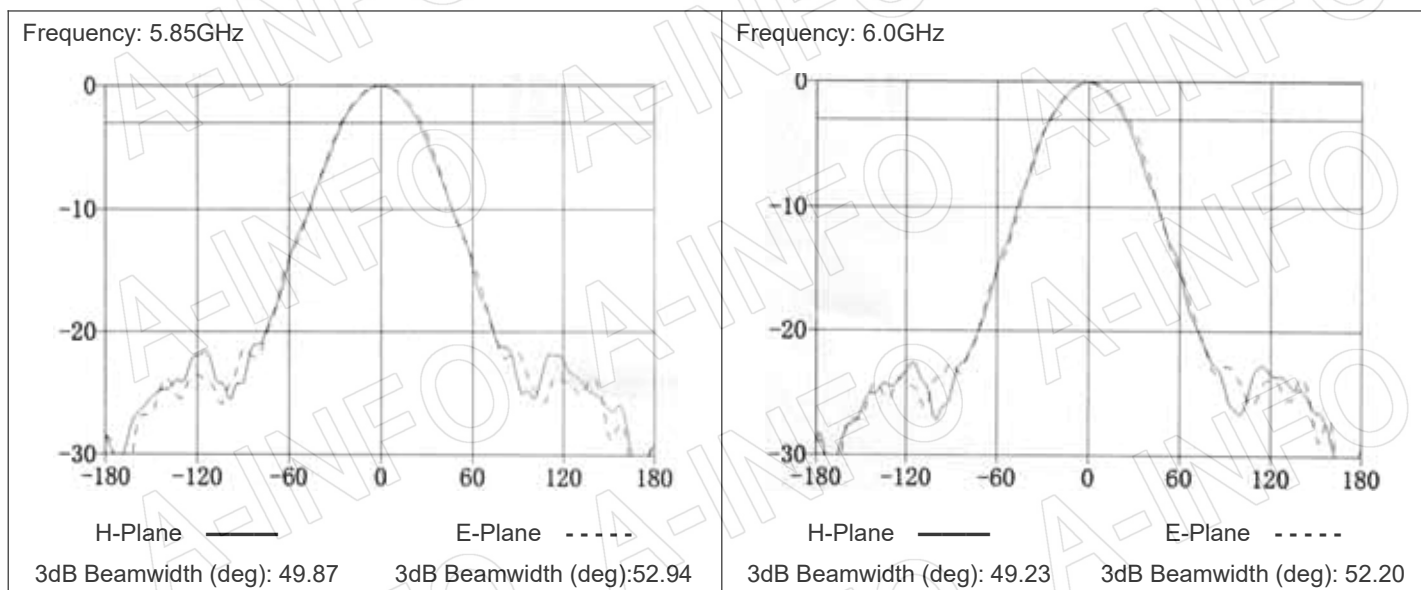
2. Cross Polarization Isolation



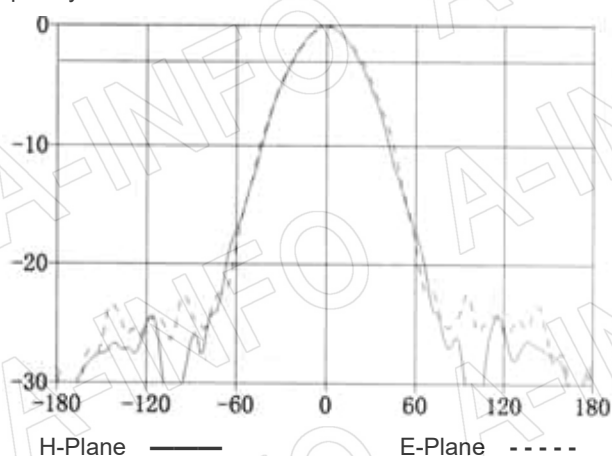
3. VSWR(C Type)



4. Pattern



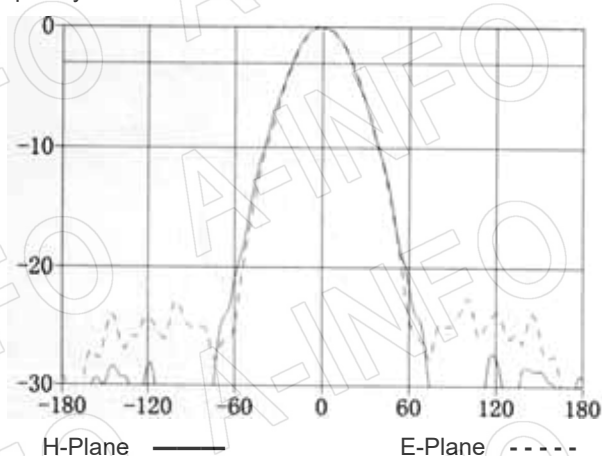
Frequency: 6.5GHz



3dB Beamwidth (deg): 45.36

3dB Beamwidth (deg): 47.07

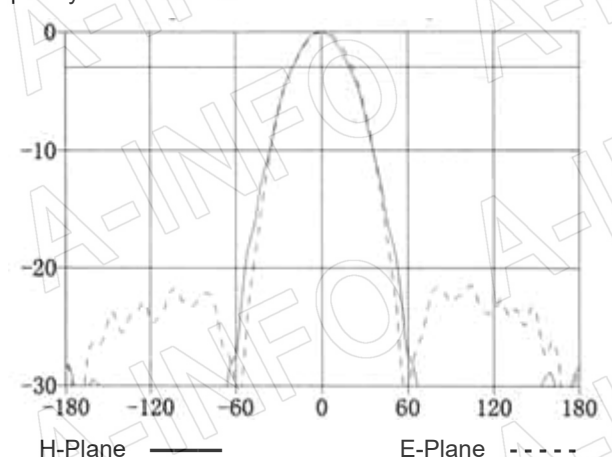
Frequency: 7.0GHz



3dB Beamwidth (deg): 40.75

3dB Beamwidth (deg): 41.16

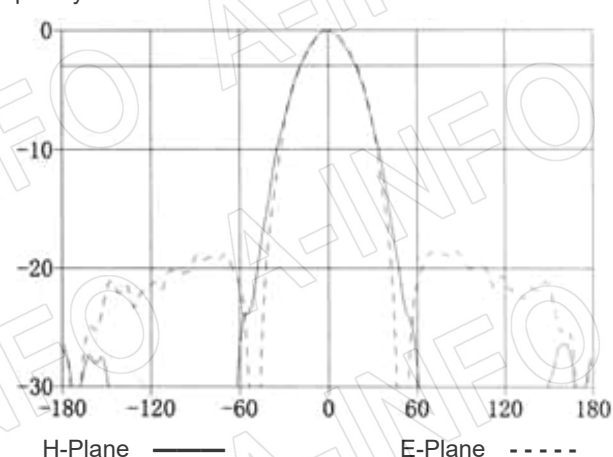
Frequency: 7.5GHz



3dB Beamwidth (deg): 39.16

3dB Beamwidth (deg): 41.45

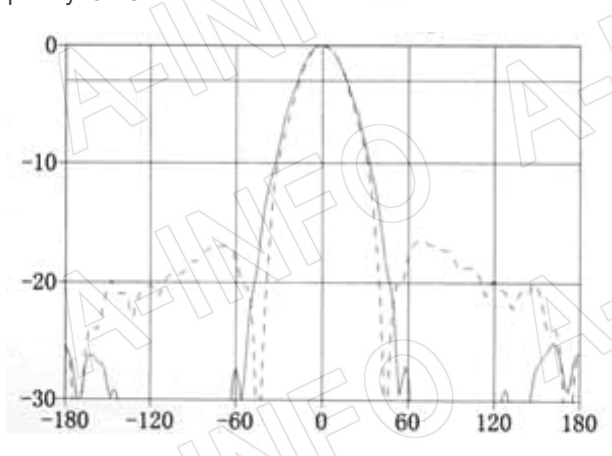
Frequency: 8.0GHz



3dB Beamwidth (deg): 37.28

3dB Beamwidth (deg): 37.54

Frequency: 8.2GHz



3dB Beamwidth (deg): 34.19

3dB Beamwidth (deg): 32.44