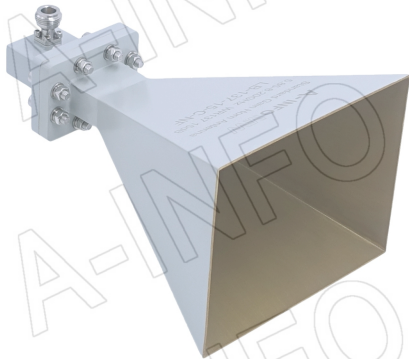


For reference only. See data sheet for the detailed specifications.

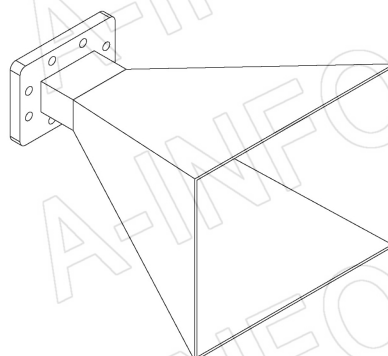
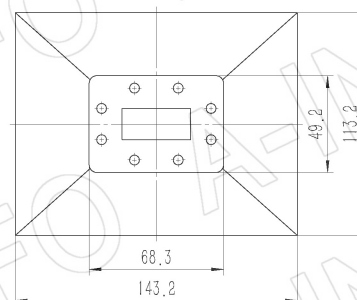
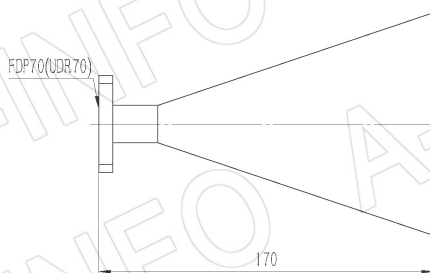
Technical Specification



Frequency Range(GHz)	5.85 – 8.20
Waveguide	WR137
Gain(dBi)	15 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 19 Typ.
	H Plane: 21 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: 143.2 x 113.2 x 170
	C Type: 143.2 x 113.2 x 218
Net Weight(Kg)	A Type: 0.20 Around
	C Type: 0.32 Around

Outline Drawing (Size: mm)

FDP70 Output (P/N: LB-137-15-A)



AINFO Inc.

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

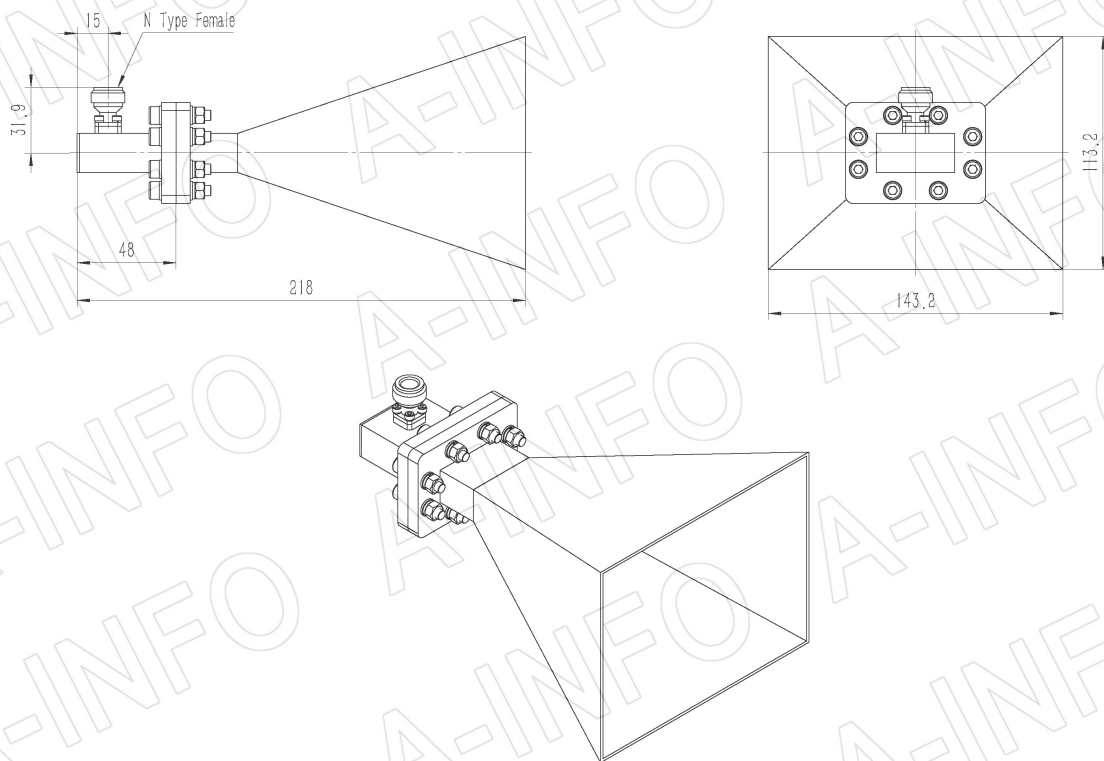
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(+86) 10-6266-7327 Fax: (+86) 10-6266-7379
(+86) 28-8519-3044 Fax: (+86) 28-8519-3068
(+1) 949-639-9608 Fax: (+1) 949-639-9670

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

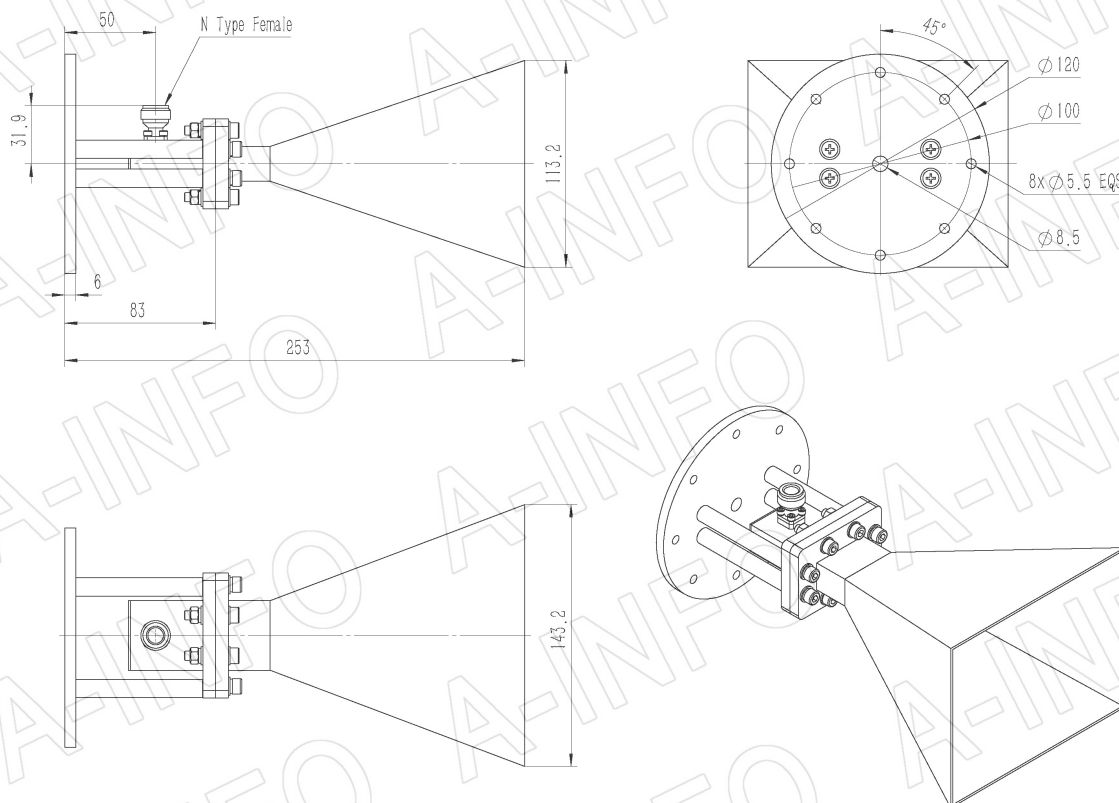
N-Female Output (P/N: LB-137-15-C-NF)

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



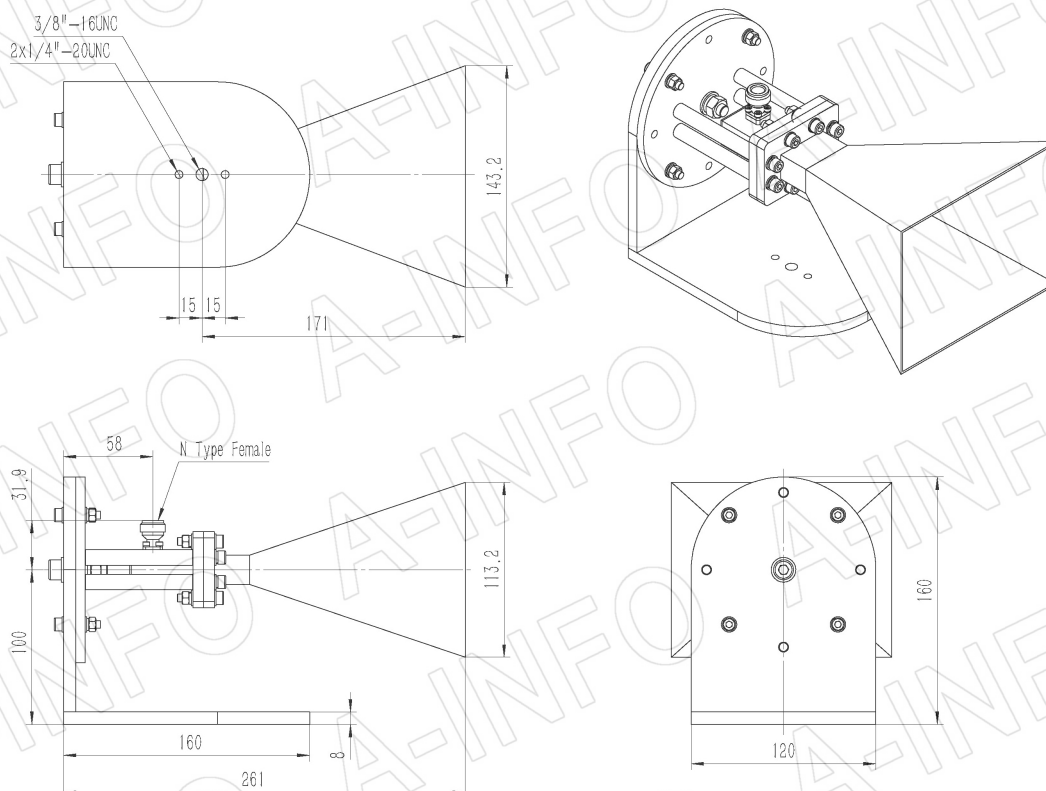
N-Female Output with Round Mounting Bracket (Option, P/N: LB-137-10-C-MB)

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

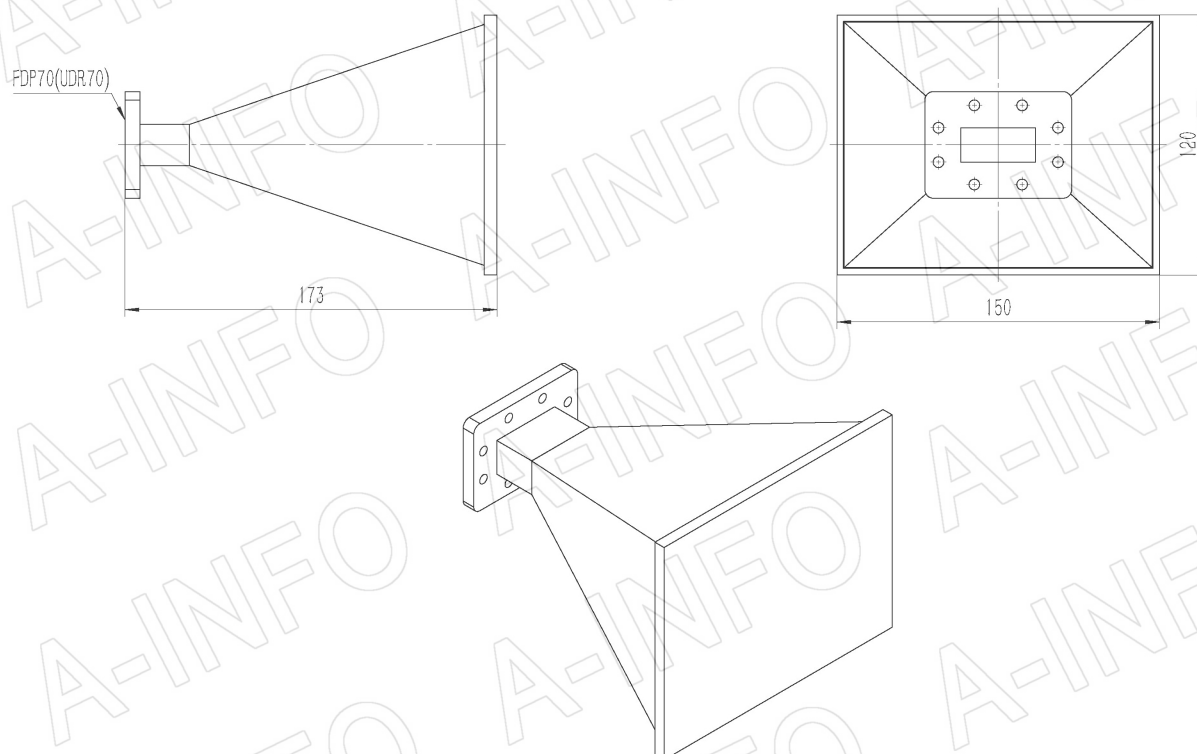


N-Female Output with L Type Mounting Bracket (Option, P/N:LB-137-10-C-MBL)

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

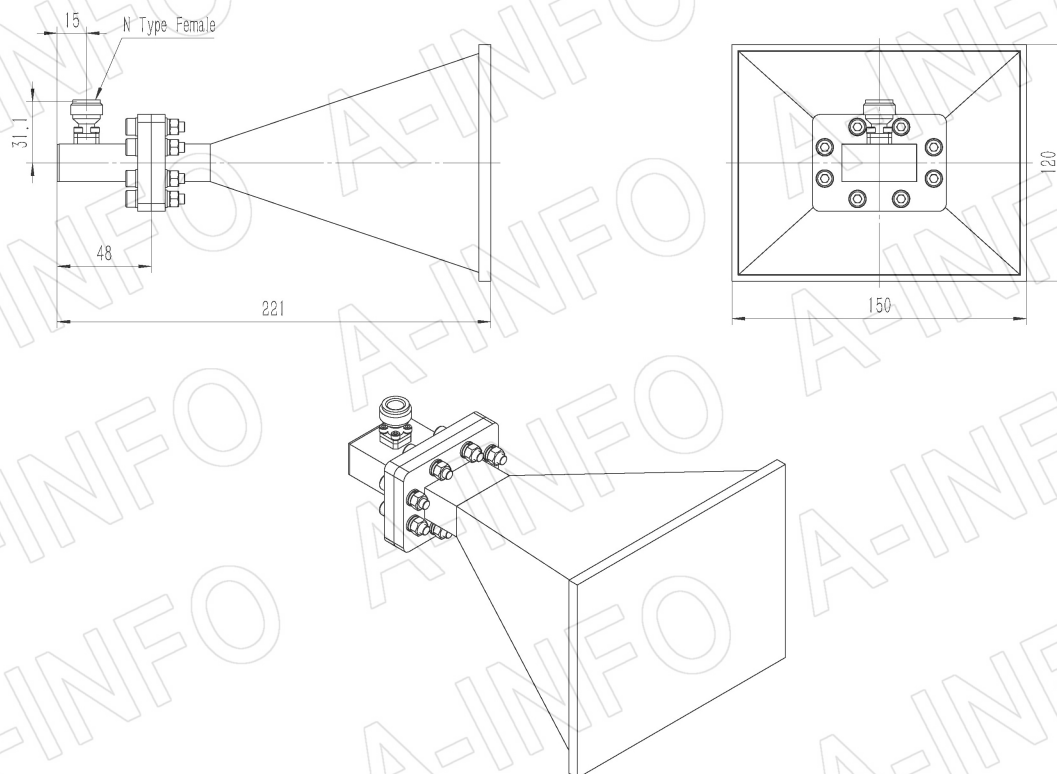


FDP70 Output with Radome (Option, P/N: LB-137-15-ASPO, Outdoor Application)



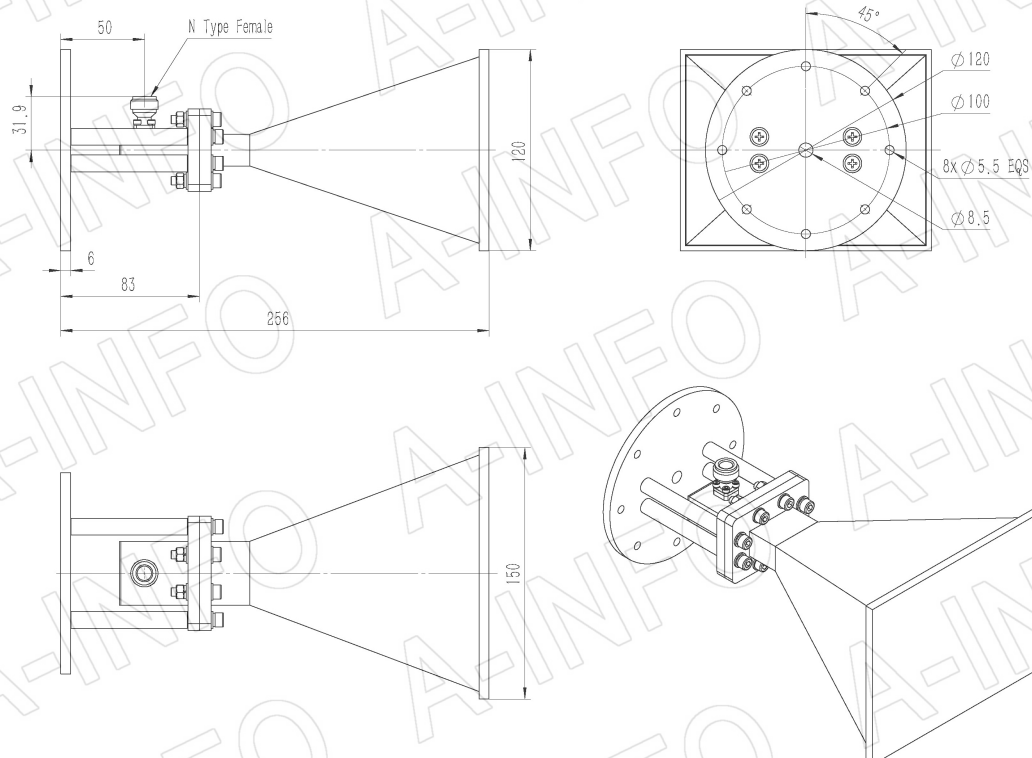
N-Female Output with Radome (Option, P/N: LB-137-15-C-NFSPO, Outdoor Application)

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



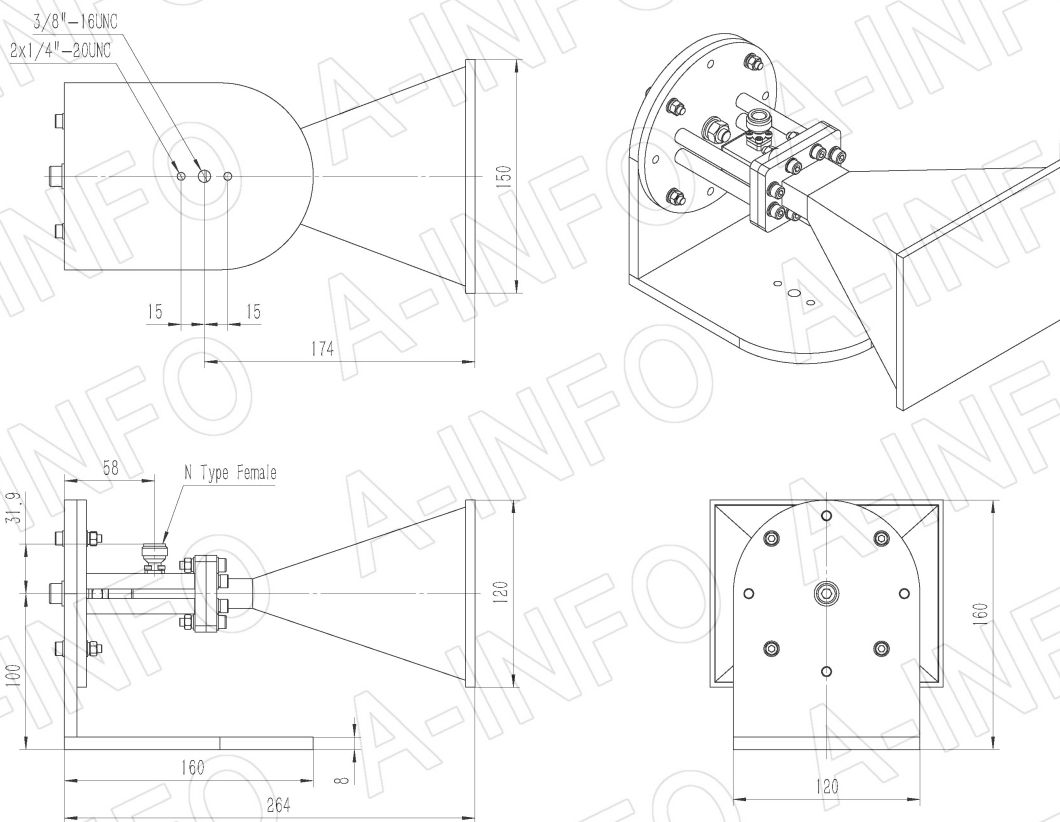
N-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-137-10-C-MB & LB- 137-15-C-NFSPO, Outdoor Application)

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

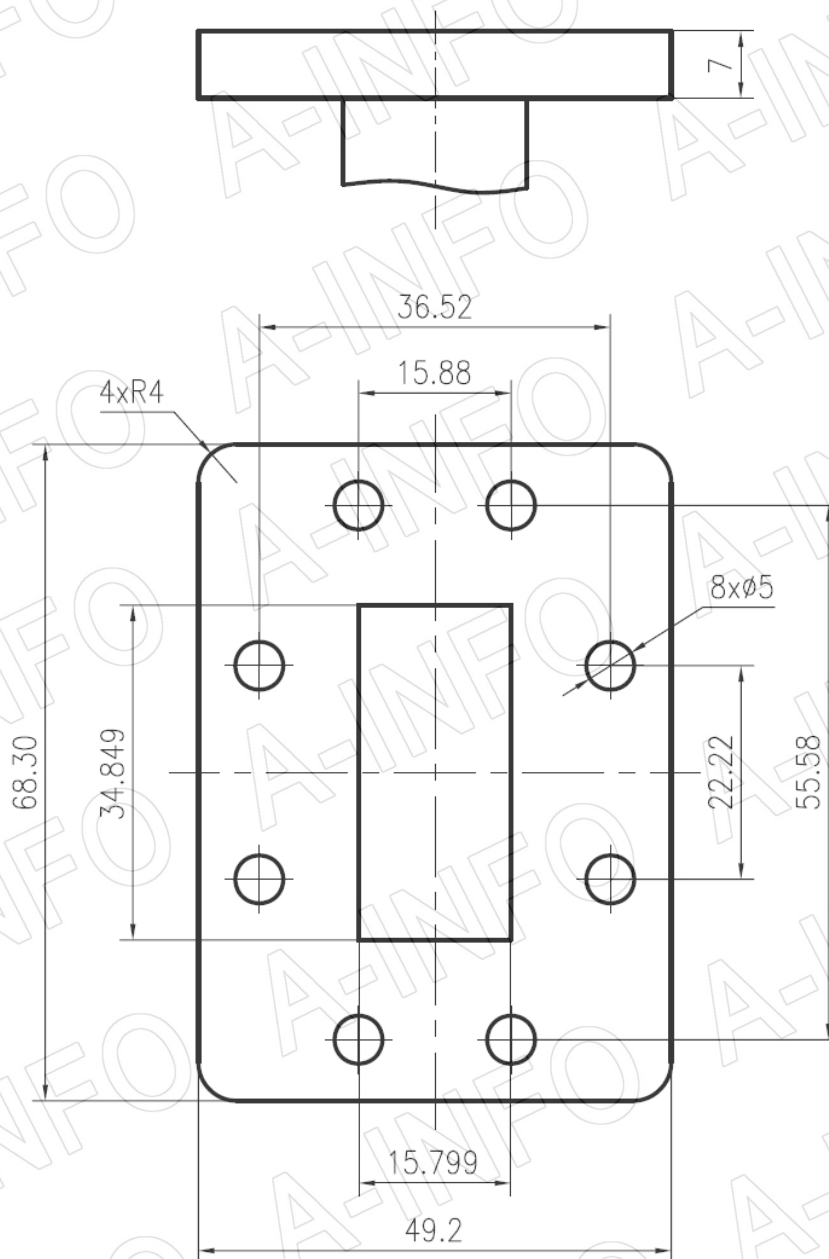


N-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-137-10-C-MBL & LB-137-15-C-NFSPO, Outdoor Application)

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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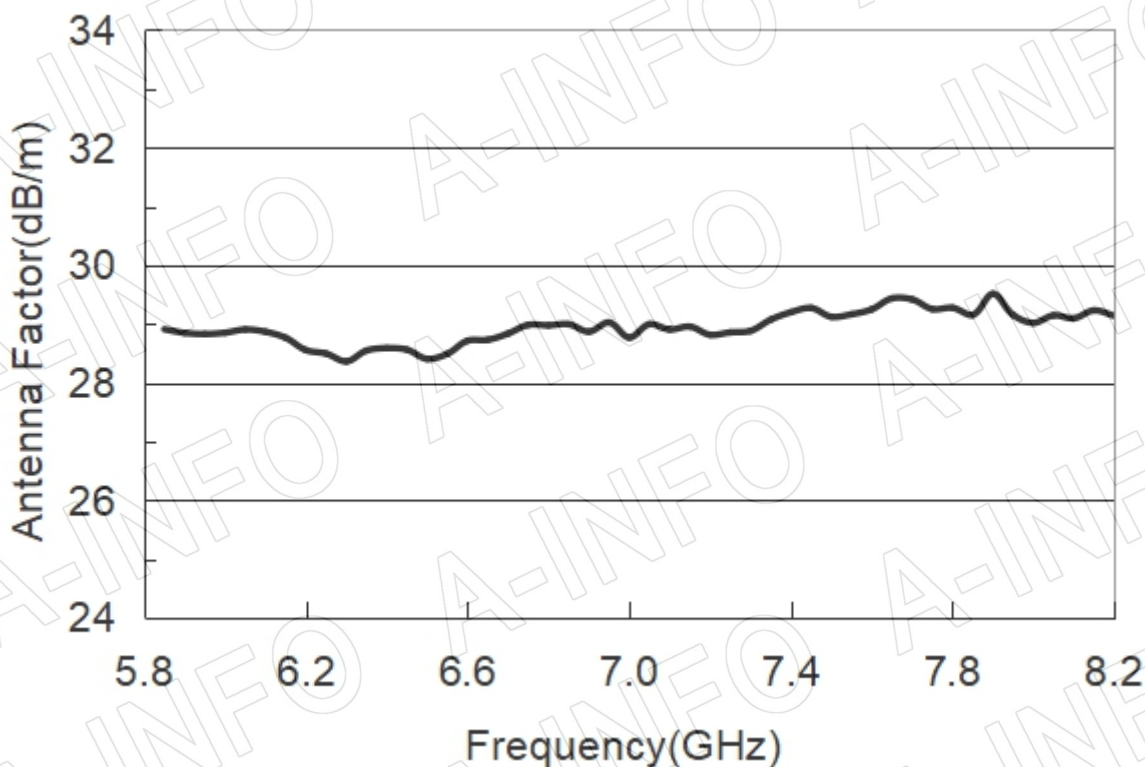
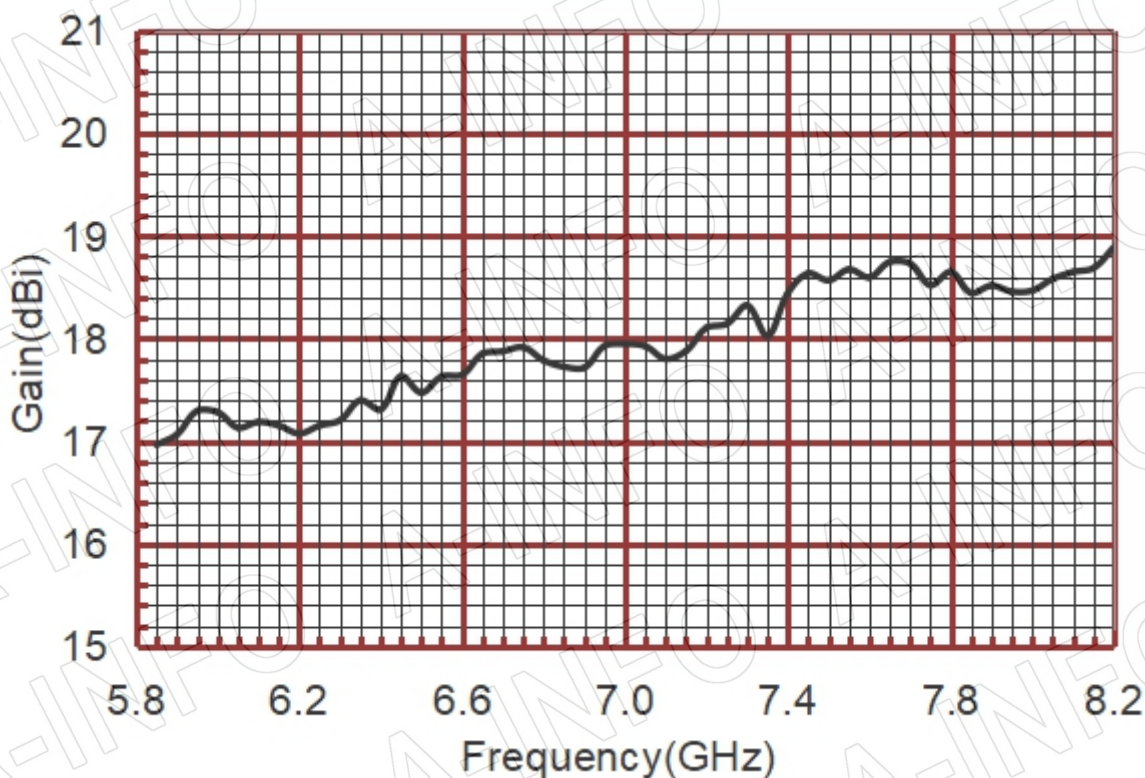
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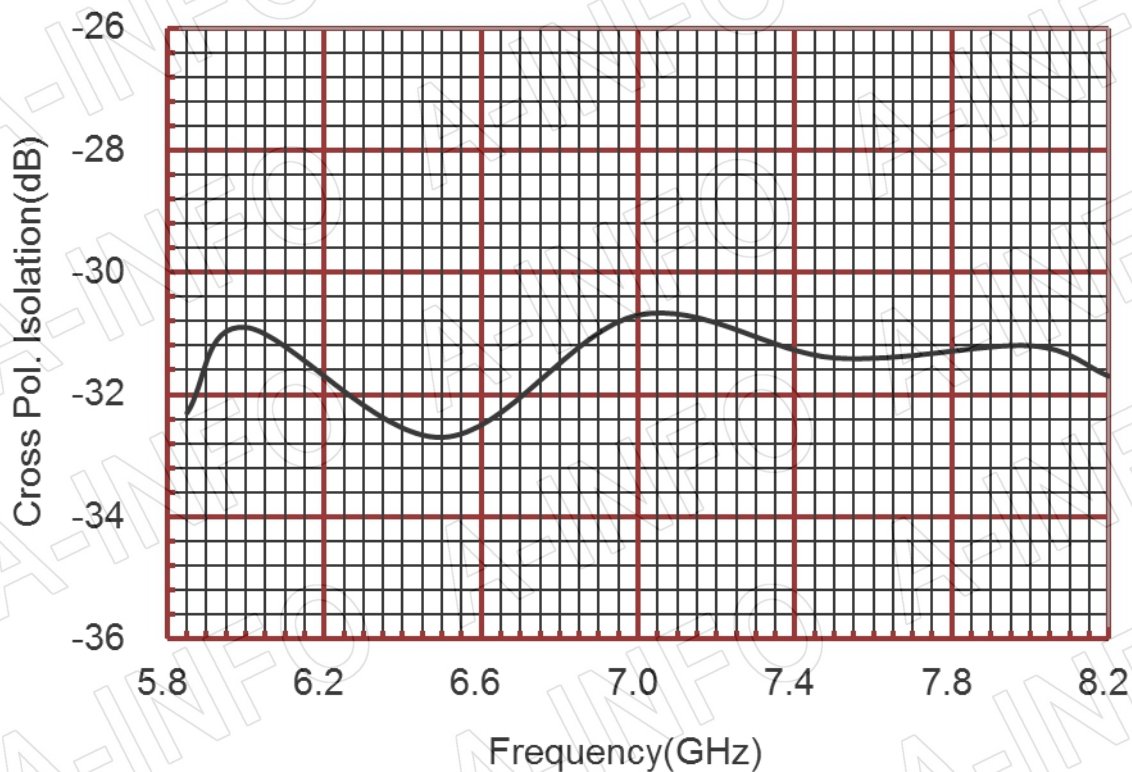
Test Results

1. Gain & Antenna Factor

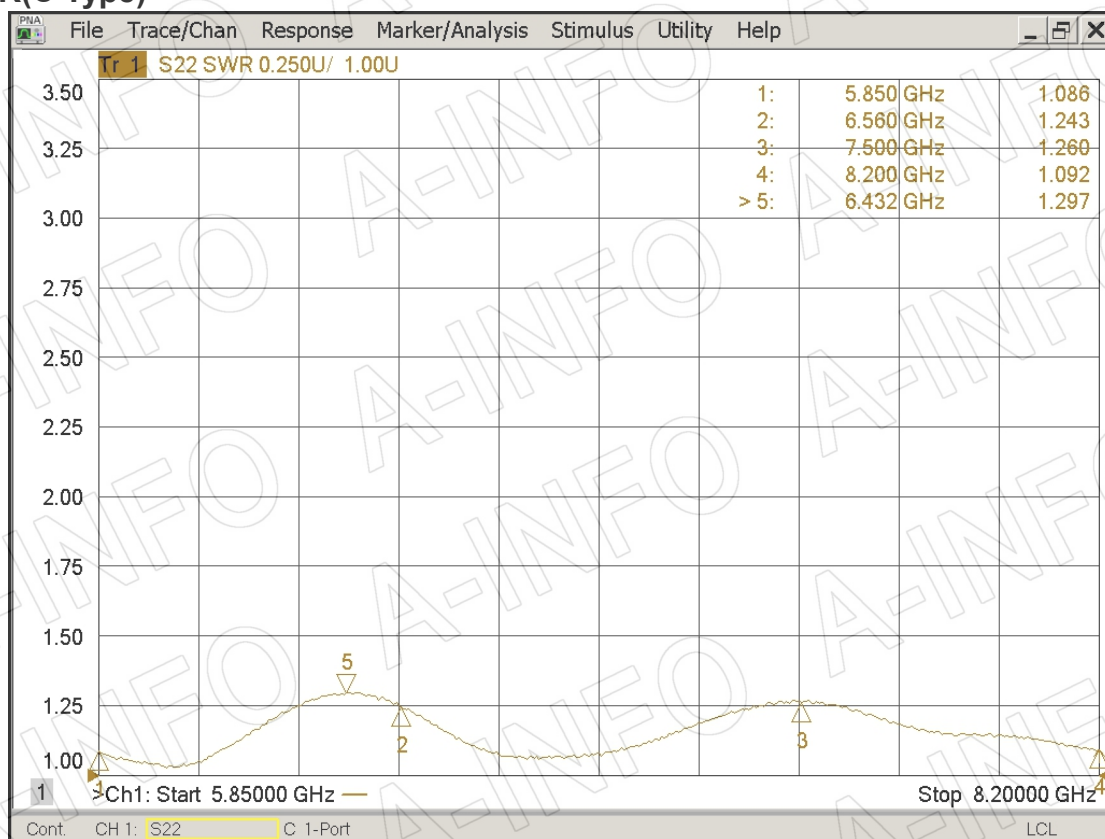


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
5.85	16.97	28.59
6.00	17.28	28.49
6.20	17.08	28.98
6.40	17.31	29.02
6.60	17.65	28.95
6.80	17.79	29.07
7.00	17.95	29.16
7.20	18.11	29.25
7.40	18.44	29.15
7.60	18.60	29.23
7.80	18.65	29.40
8.00	18.47	29.80
8.20	18.89	29.60

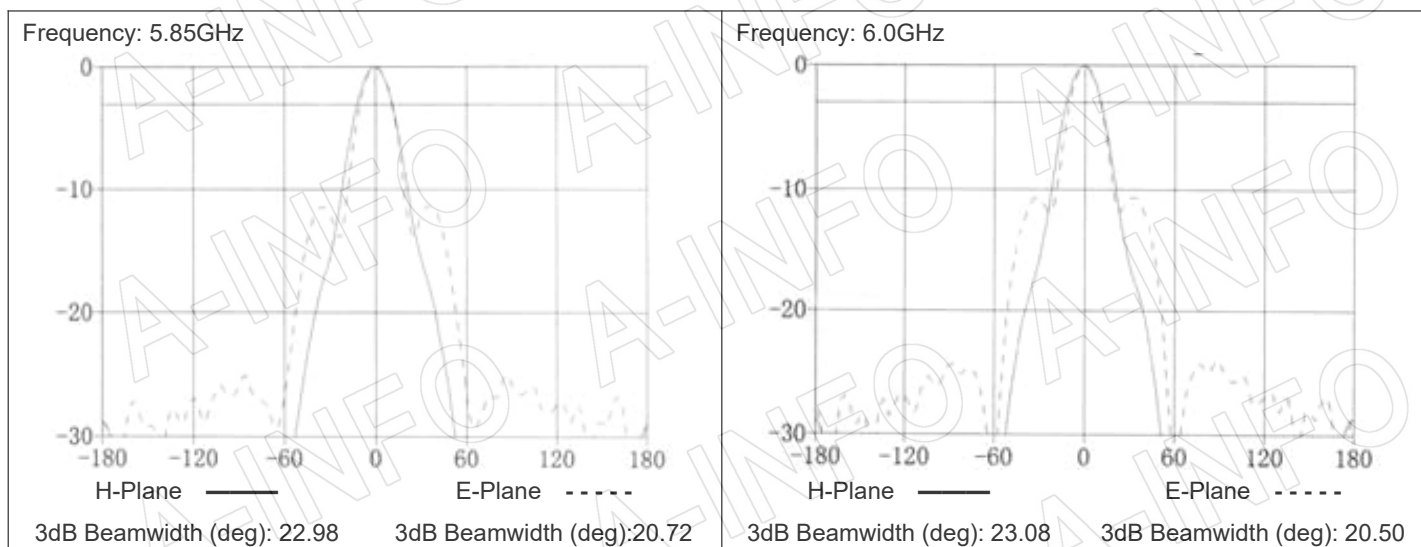
2. Cross Polarization Isolation



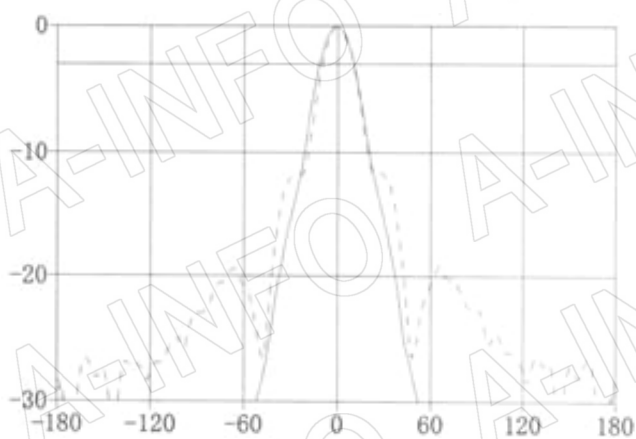
3. VSWR(C Type)



4. Pattern

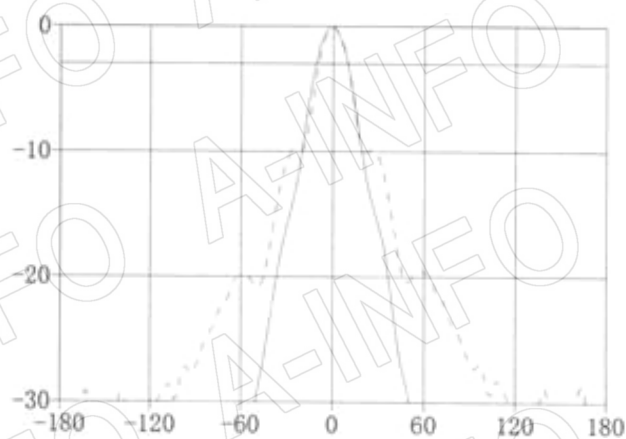


Frequency: 6.5GHz



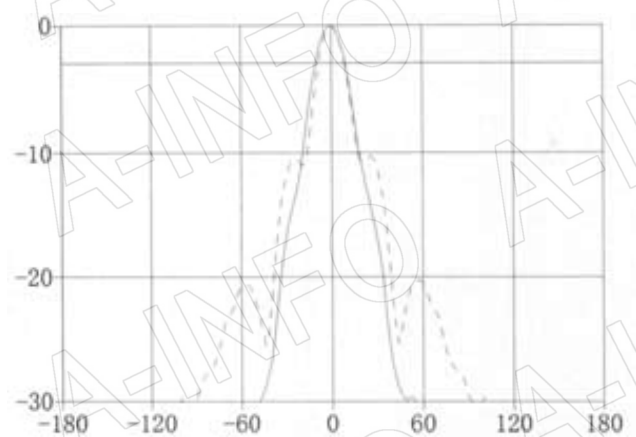
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 21.63 3dB Beamwidth (deg): 19.78

Frequency: 7.0GHz



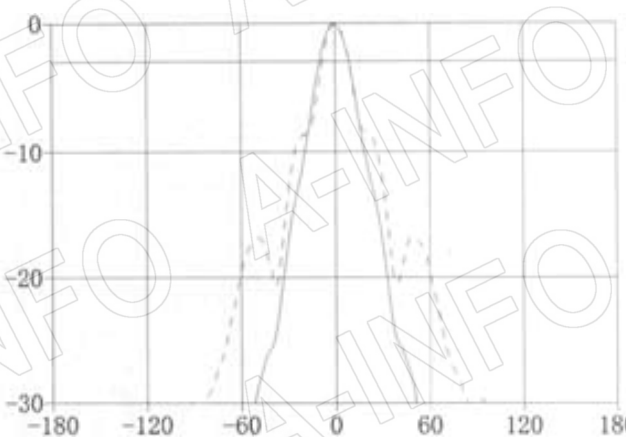
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 20.60 3dB Beamwidth (deg): 18.93

Frequency: 7.5GHz



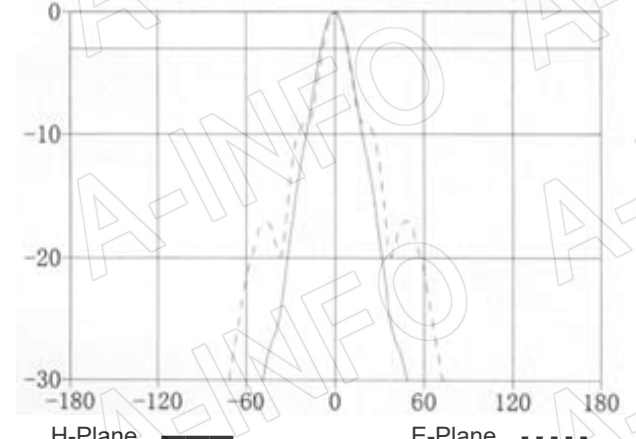
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 19.38 3dB Beamwidth (deg): 17.22

Frequency: 8.0GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 18.46 3dB Beamwidth (deg): 16.69

Frequency: 8.2GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 18.19 3dB Beamwidth (deg): 16.44