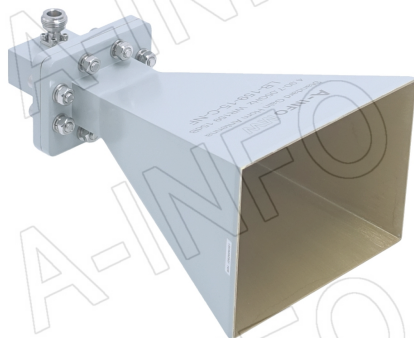


For reference only. See data sheet for the detailed specifications.

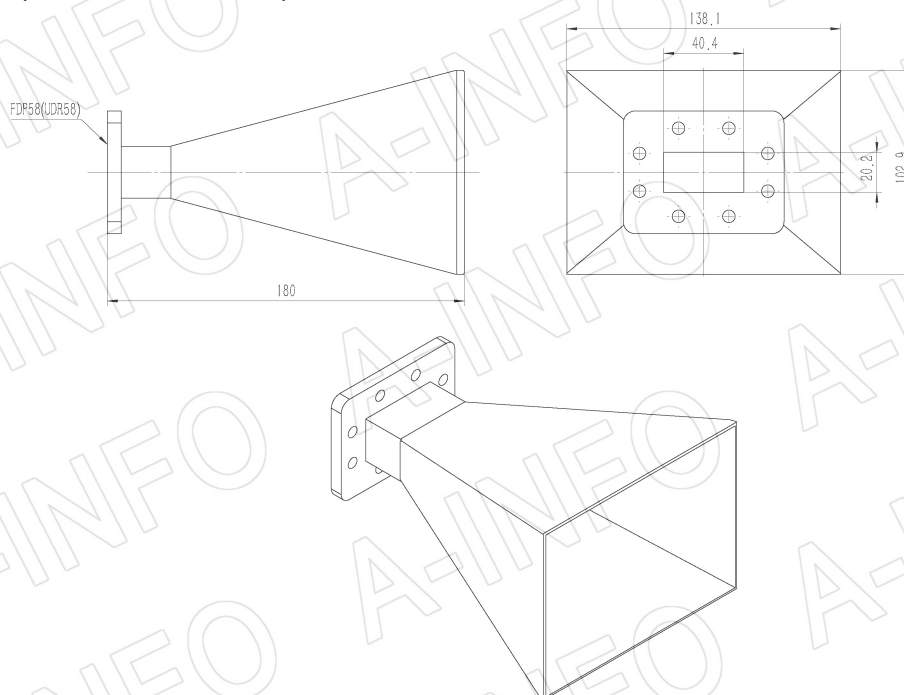
Technical Specification



Frequency Range(GHz)	4.90 – 7.05
Waveguide	WR159
Gain(dBi)	15 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 24 Typ.
	H Plane: 24 Typ.
Cross Pol. Isolation(dB)	25 Typ.
VSWR	A Type: 1.15:1 Typ.
	C Type: 1.25:1 Typ.
Output	A Type: FDP58(UDR58)
	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: 138.1 x 102.9 x 180
	C Type: 138.1 x 102.9 x 230
Net Weight(Kg)	A Type: 0.40 Around
	C Type: 0.55 Around

Outline Drawing (Size: mm)

FDP58 Output (P/N: LB-159-15-A)



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

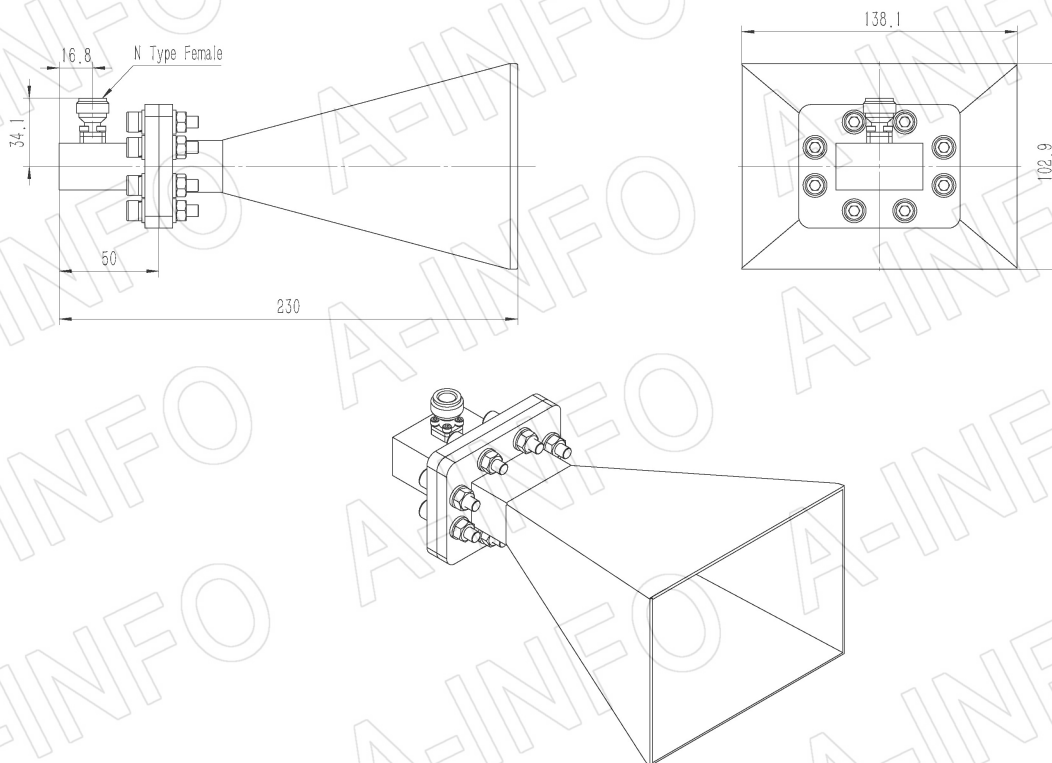
Page 1 of 10

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

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

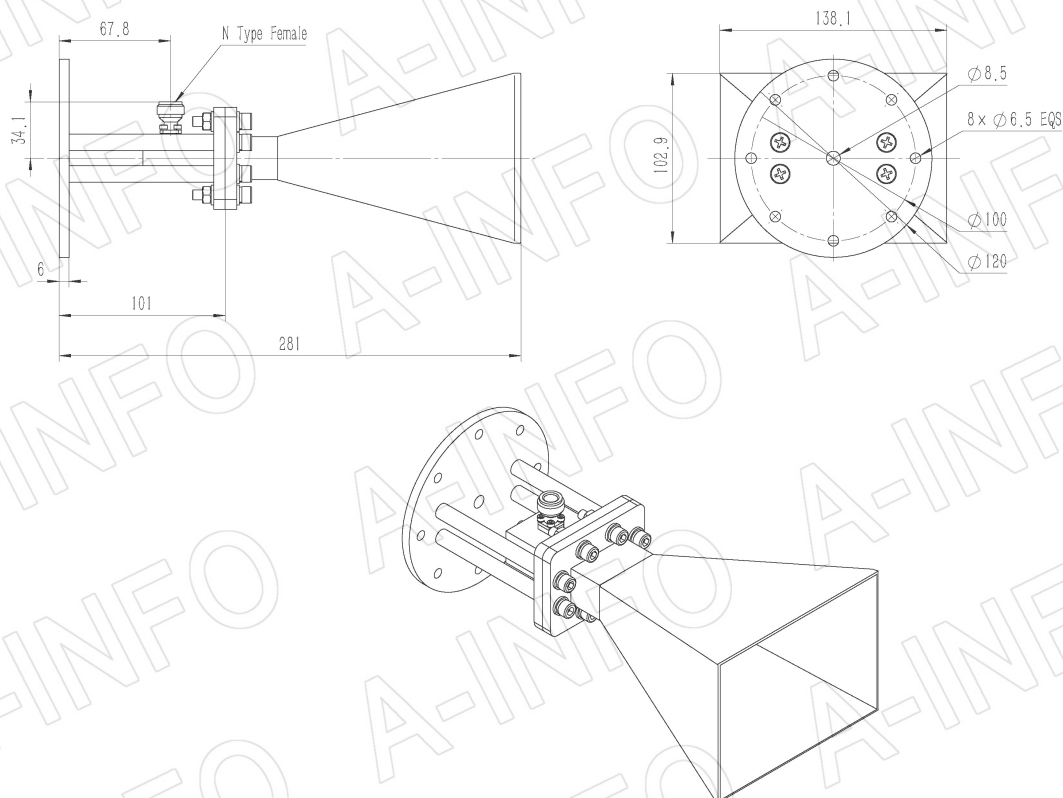
N-Female Output (P/N: LB-159-15-C-NF)

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



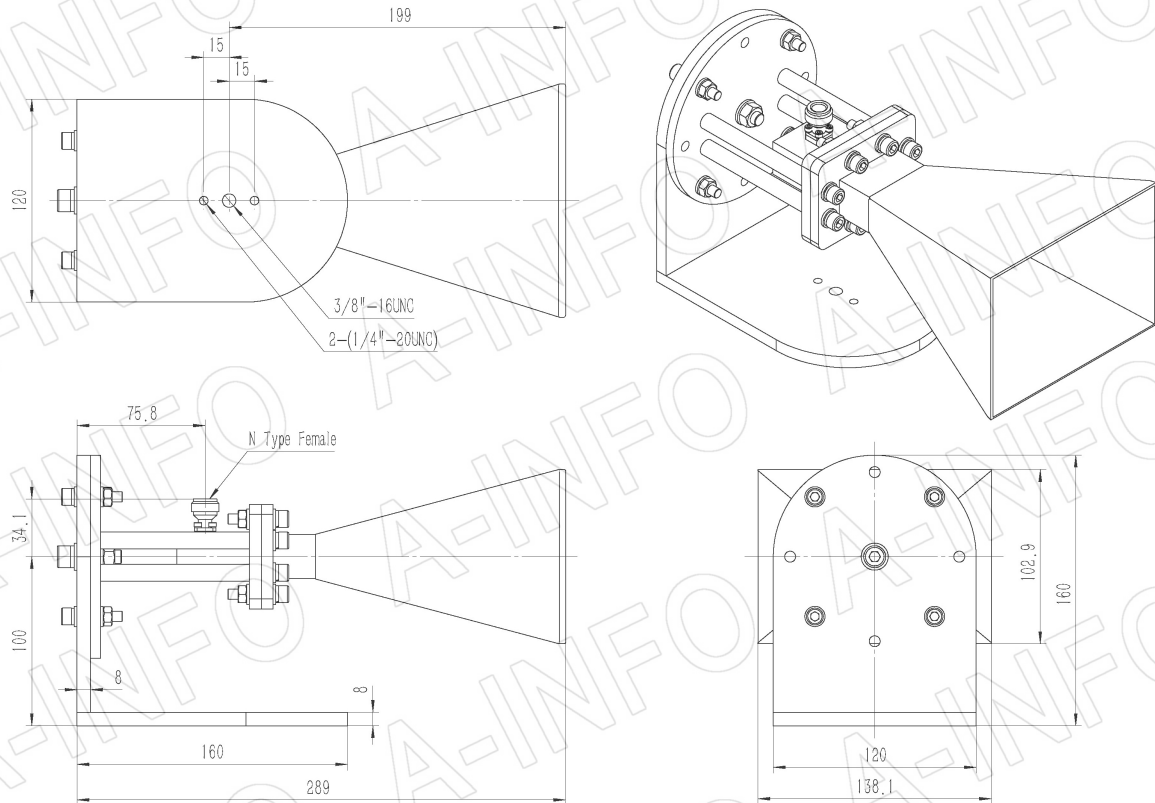
N-Female Output with Round Mounting Bracket (Option, P/N: LB-159-10-C-MB)

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

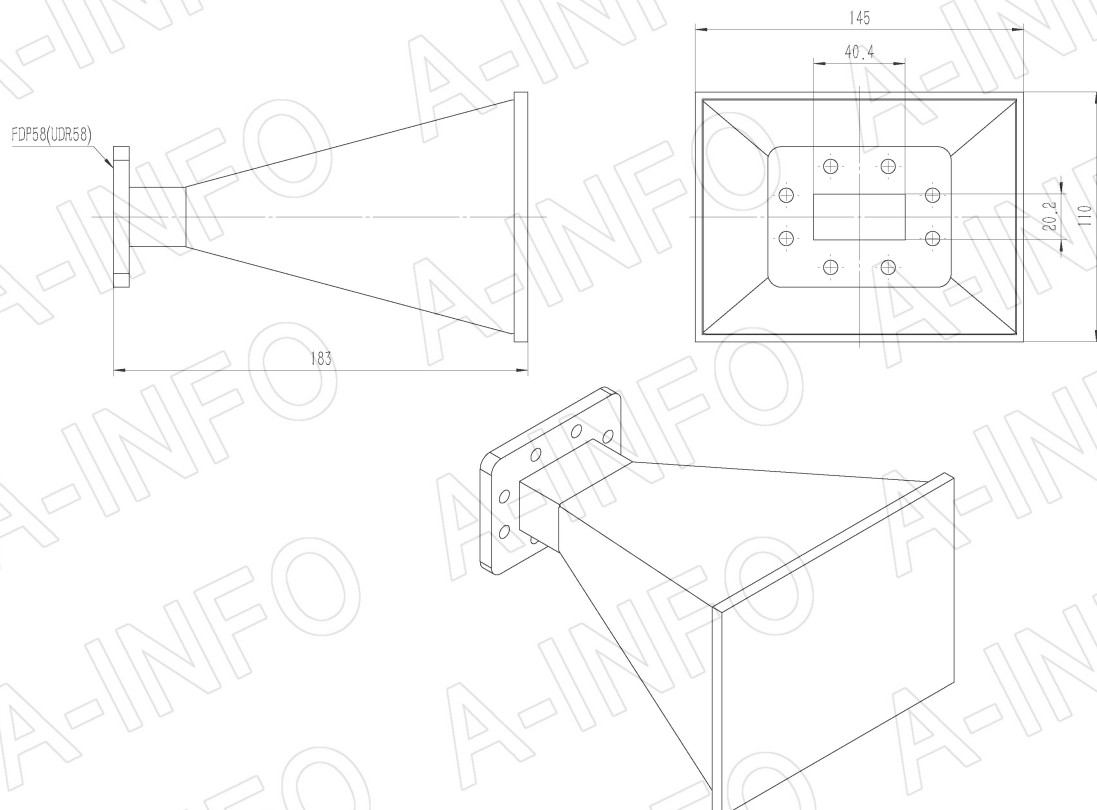


N-Female Output with L Type Mounting Bracket (Option, P/N:LB-159-10-C-MBL)

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

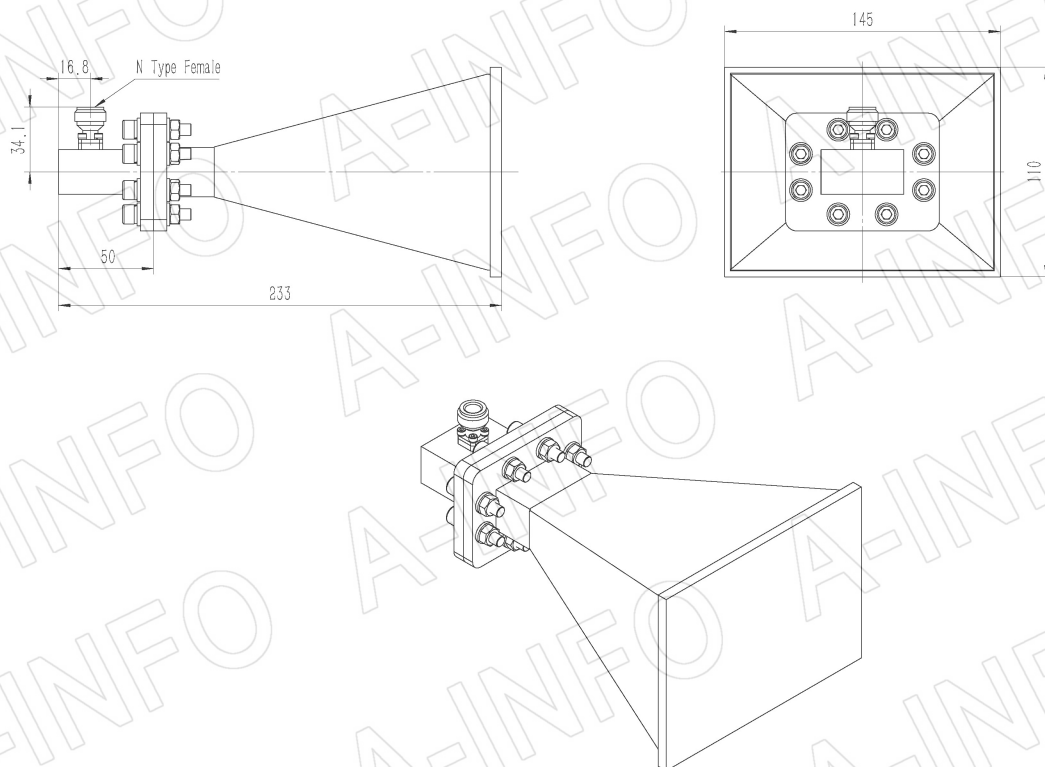


FDP58 Output with Radome (Option, P/N: LB-159-15-ASPO, Outdoor Application)



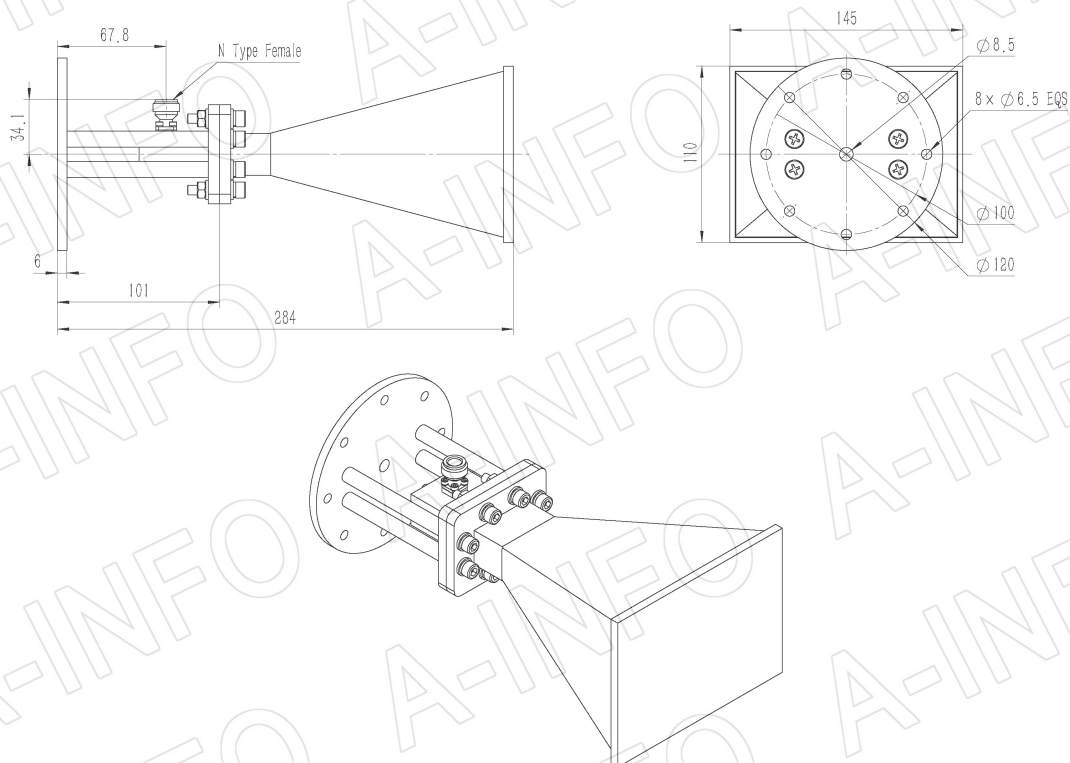
N-Female Output with Radome (Option, P/N: LB-159-15-C-NFSPO, Outdoor Application)

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



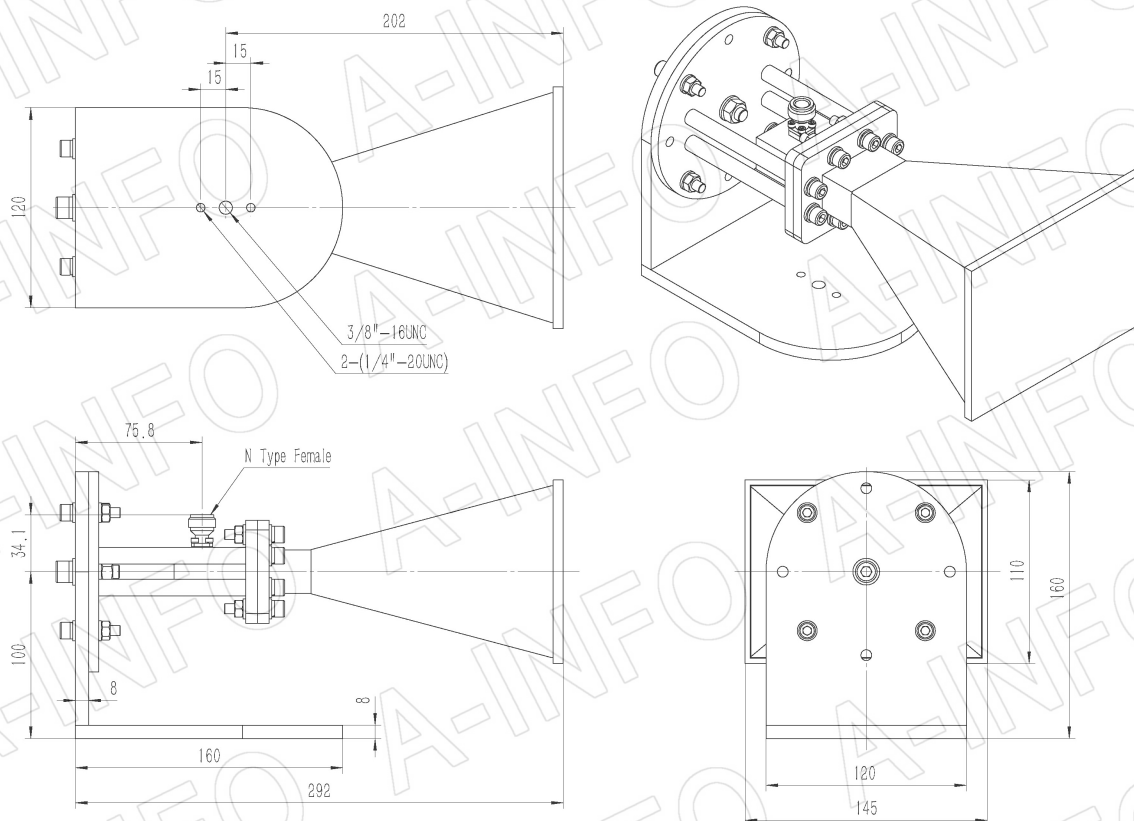
N-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-159-10-C-MB & LB- 159-15-C-NFSPO, Outdoor Application)

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

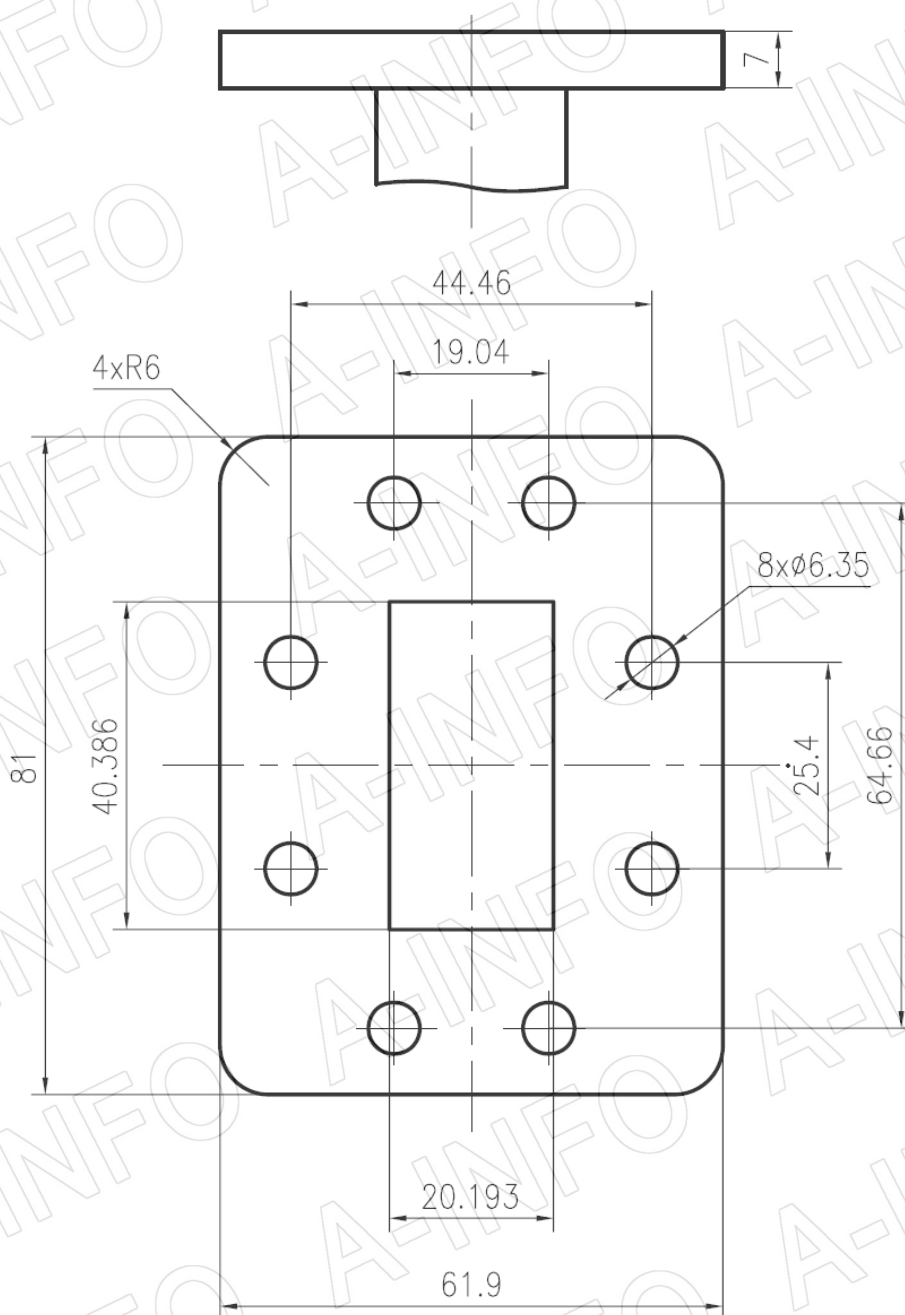


N-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-159-10-C-MBL & LB-159-15-C-NFSPO, Outdoor Application)

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



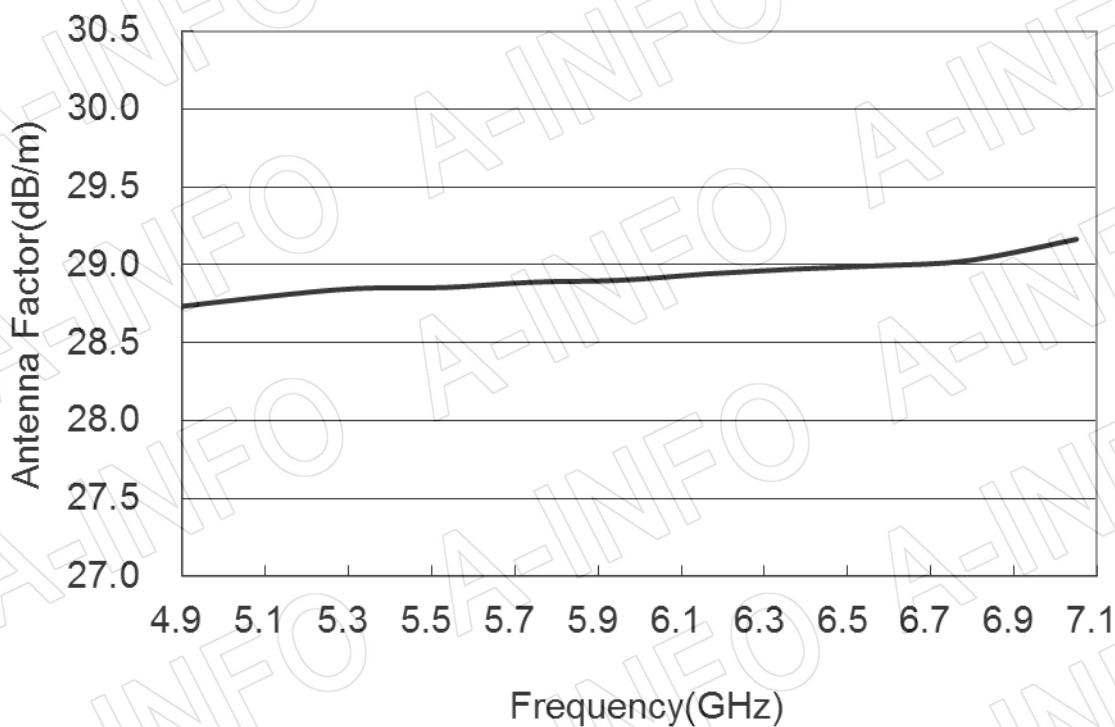
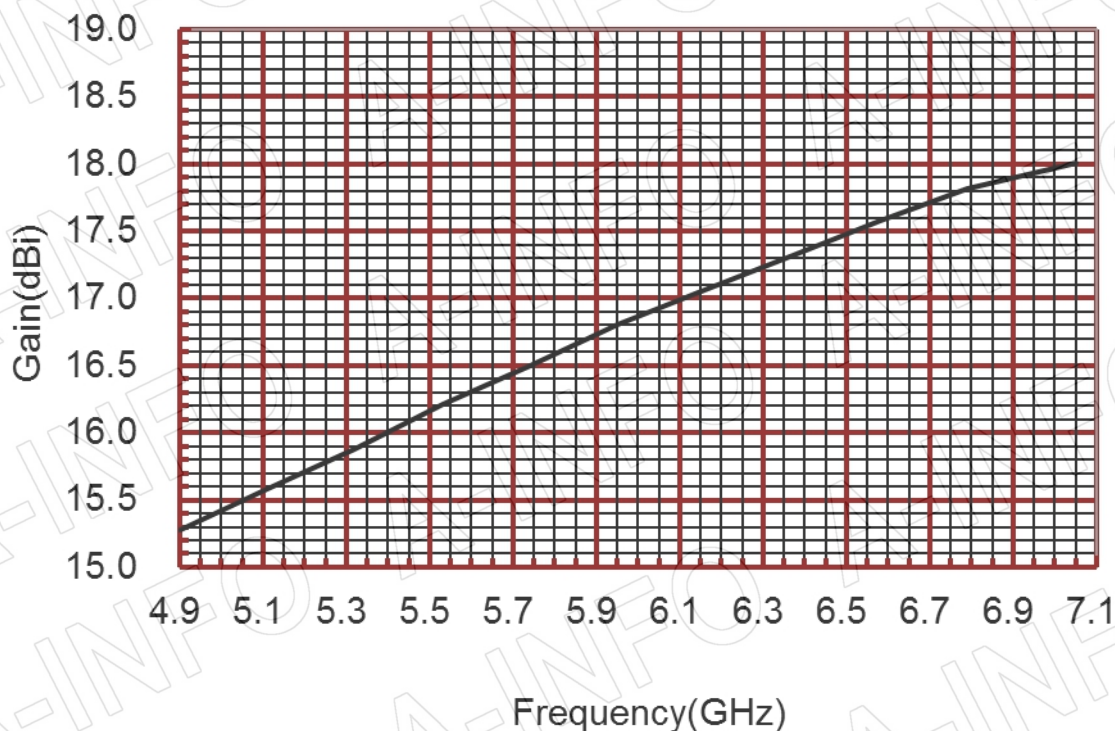
Flange Drawing (Size: mm)



FDP58

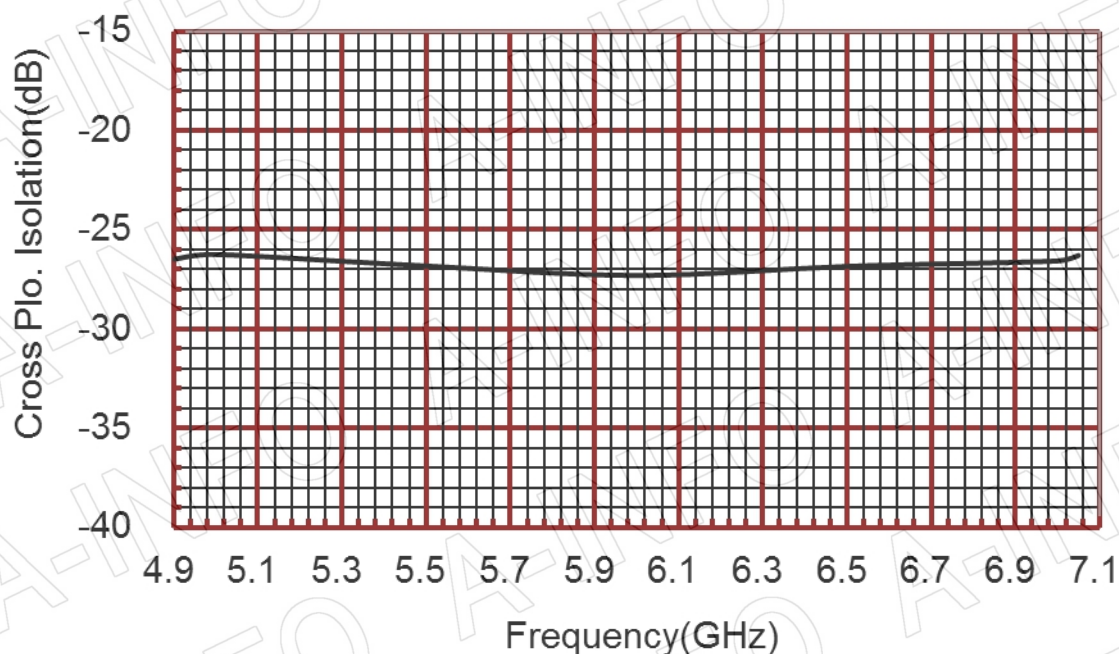
Test Results

1. Gain & Antenna Factor

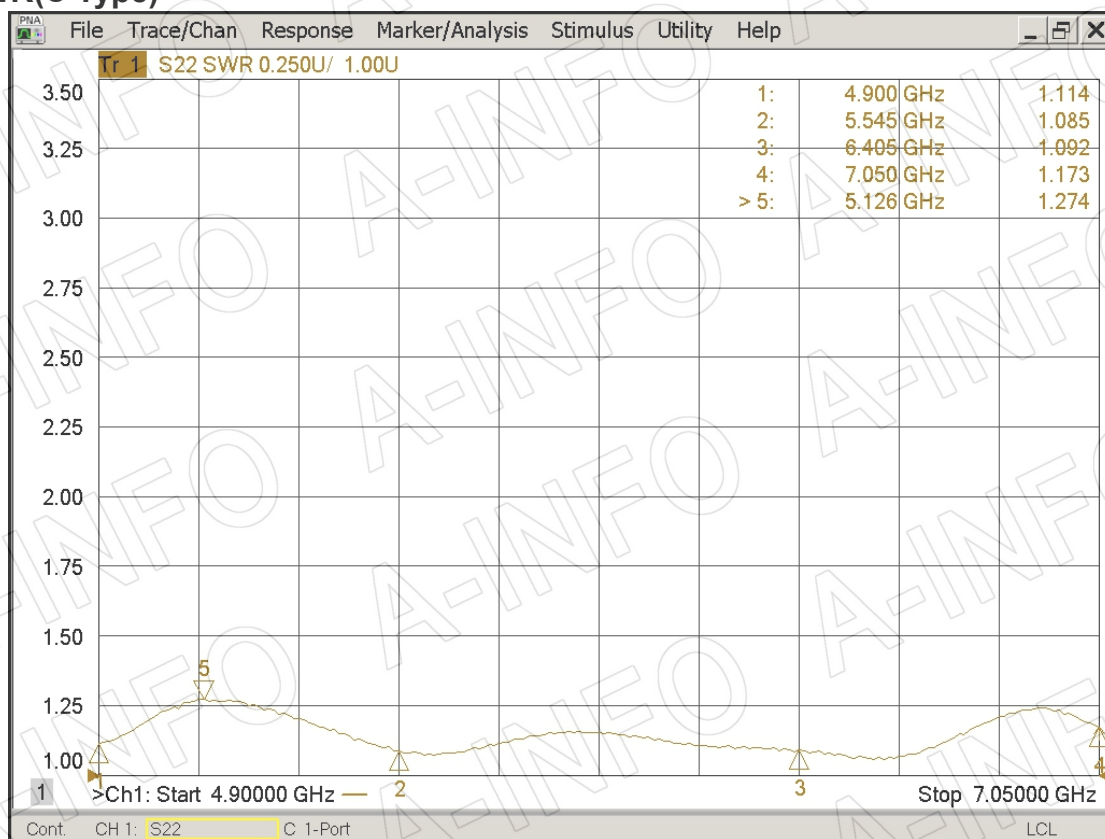


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
4.90	15.28	28.73
5.11	15.58	28.80
5.32	15.88	28.85
5.53	16.21	28.85
5.74	16.50	28.89
5.95	16.80	28.90
6.16	17.06	28.94
6.37	17.32	28.97
6.58	17.58	28.99
6.79	17.82	29.03
7.05	18.01	29.16

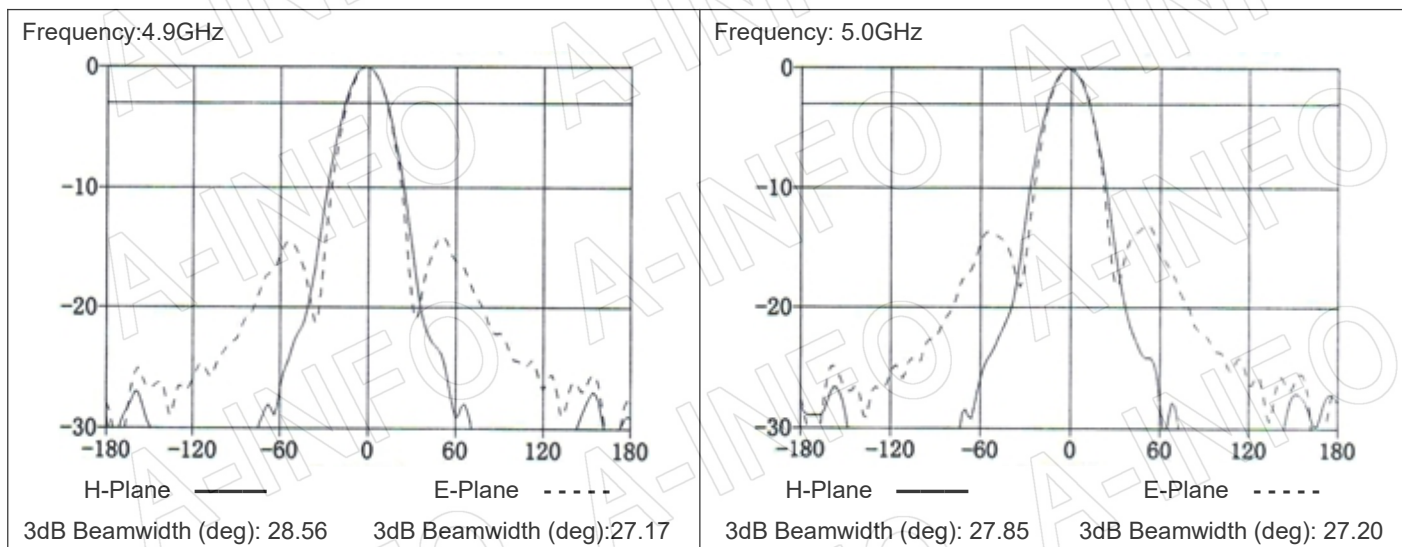
2. Cross Polarization Isolation



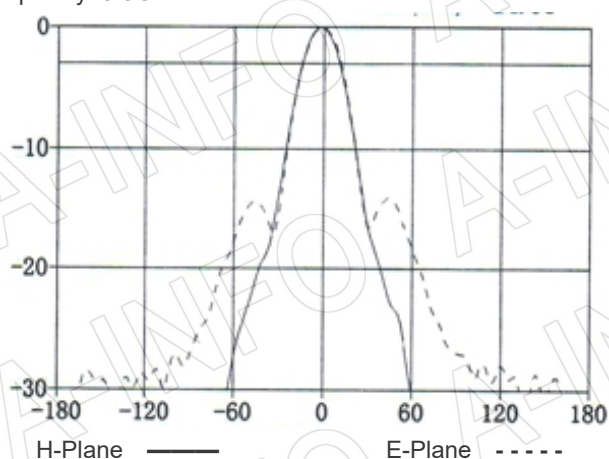
3. VSWR(C Type)



4. Pattern

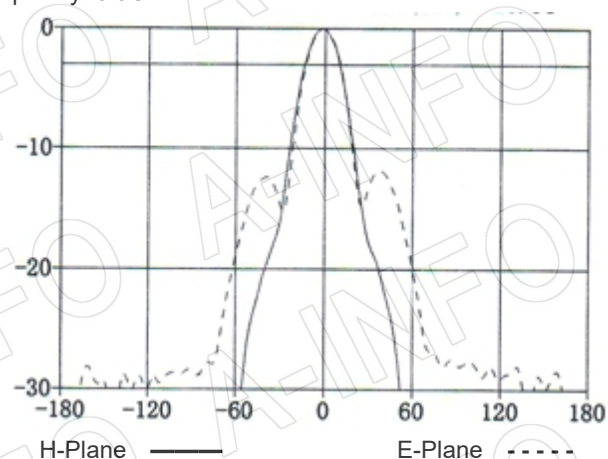


Frequency: 5.5GHz



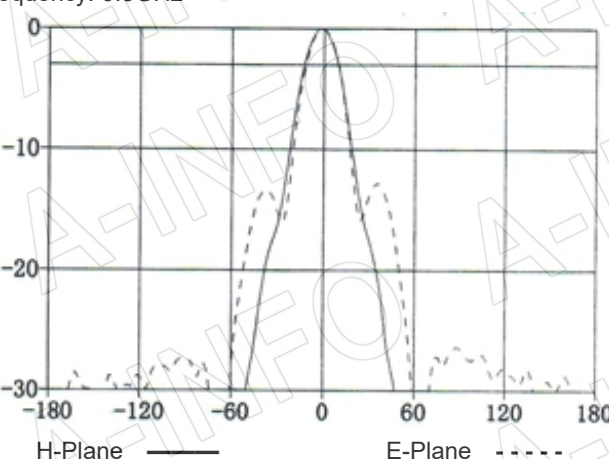
3dB Beamwidth (deg): 25.04 3dB Beamwidth (deg): 25.80

Frequency: 6.0GHz



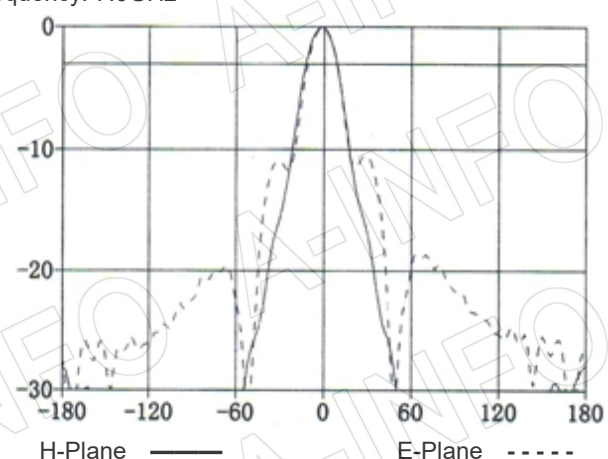
3dB Beamwidth (deg): 23.78 3dB Beamwidth (deg): 23.39

Frequency: 6.5GHz



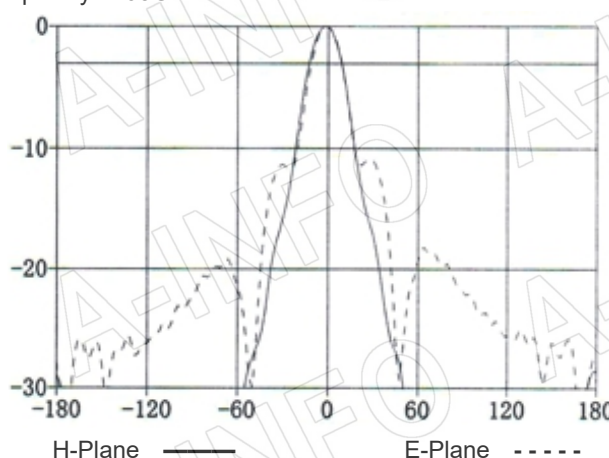
3dB Beamwidth (deg): 22.24 3dB Beamwidth (deg): 21.52

Frequency: 7.0GHz



3dB Beamwidth (deg): 21.20 3dB Beamwidth (deg): 20.09

Frequency: 7.05GHz



3dB Beamwidth (deg): 21.31 3dB Beamwidth (deg): 20.06