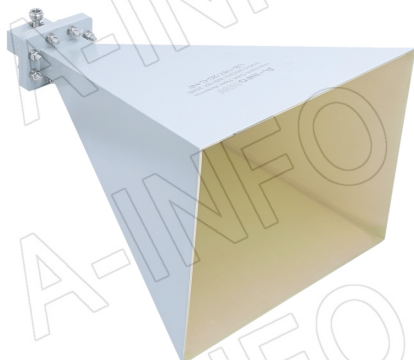


For reference only. See data sheet for the detailed specifications.

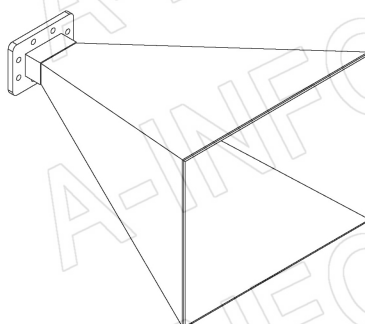
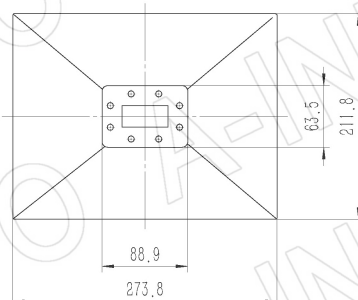
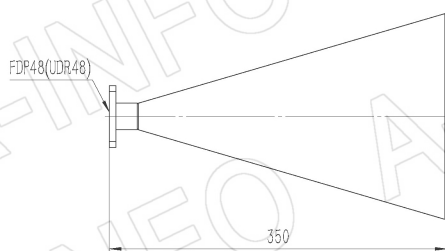
Technical Specification



Frequency Range(GHz)	3.95 – 5.85
Waveguide	WR187
Gain(dBi)	20 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 16 Typ.
	H Plane: 18 Typ.
Cross Pol. Isolation(dB)	30 Typ.
VSWR	A Type: 1.15:1 Typ.
	C Type: 1.25:1 Typ.
Output	A Type: FDP48(UDR48)
	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: 273.8 x 211.8 x 350
	C Type: 273.8 x 211.8 x 404
Net Weight(Kg)	A Type: 1.36 Around
	C Type: 1.56 Around

Outline Drawing (Size: mm)

FDP48 Output (P/N: LB-187-20-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

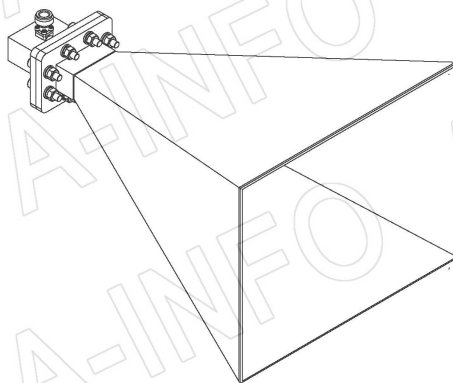
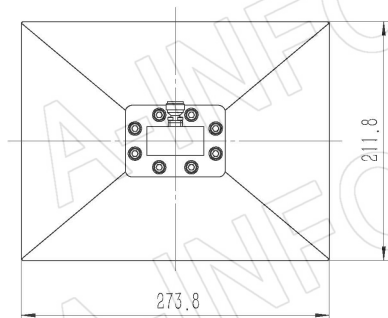
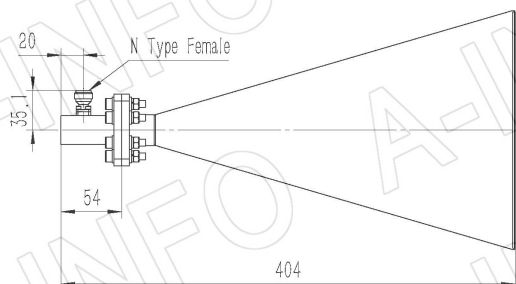
Page 1 of 10

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

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

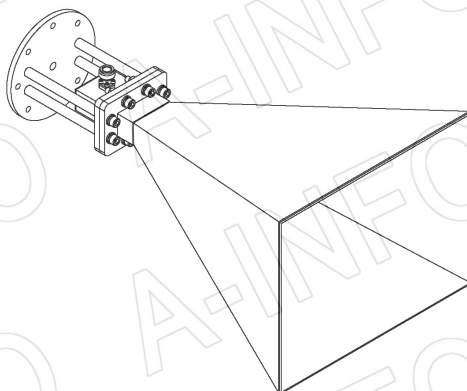
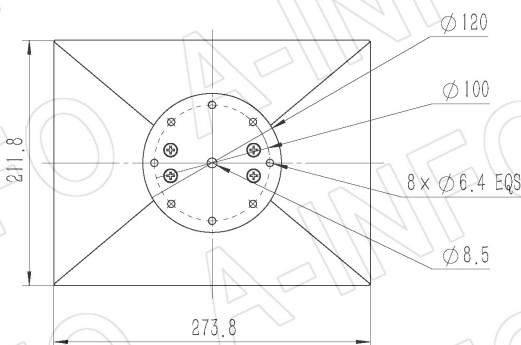
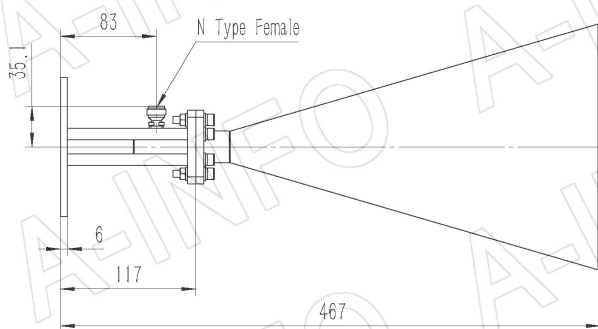
N-Female Output (P/N: LB-187-20-C-NF)

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



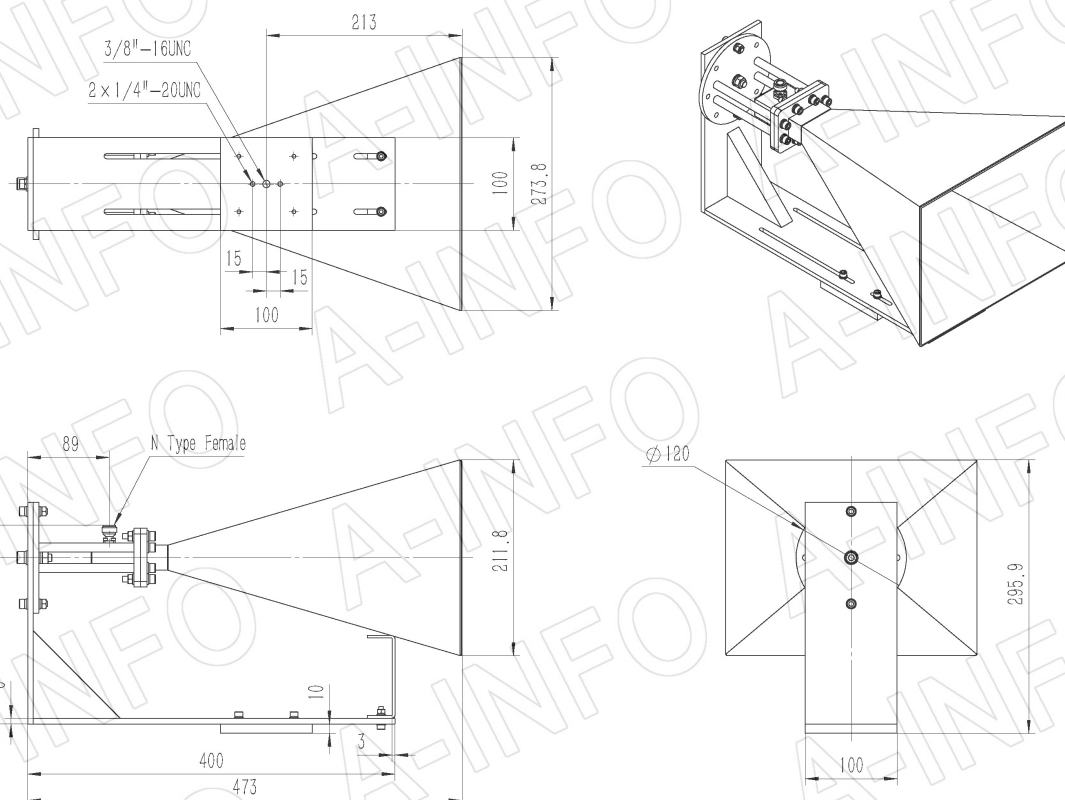
N-Female Output with Round Mounting Bracket (Option, P/N: LB-187-10-C-MB)

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

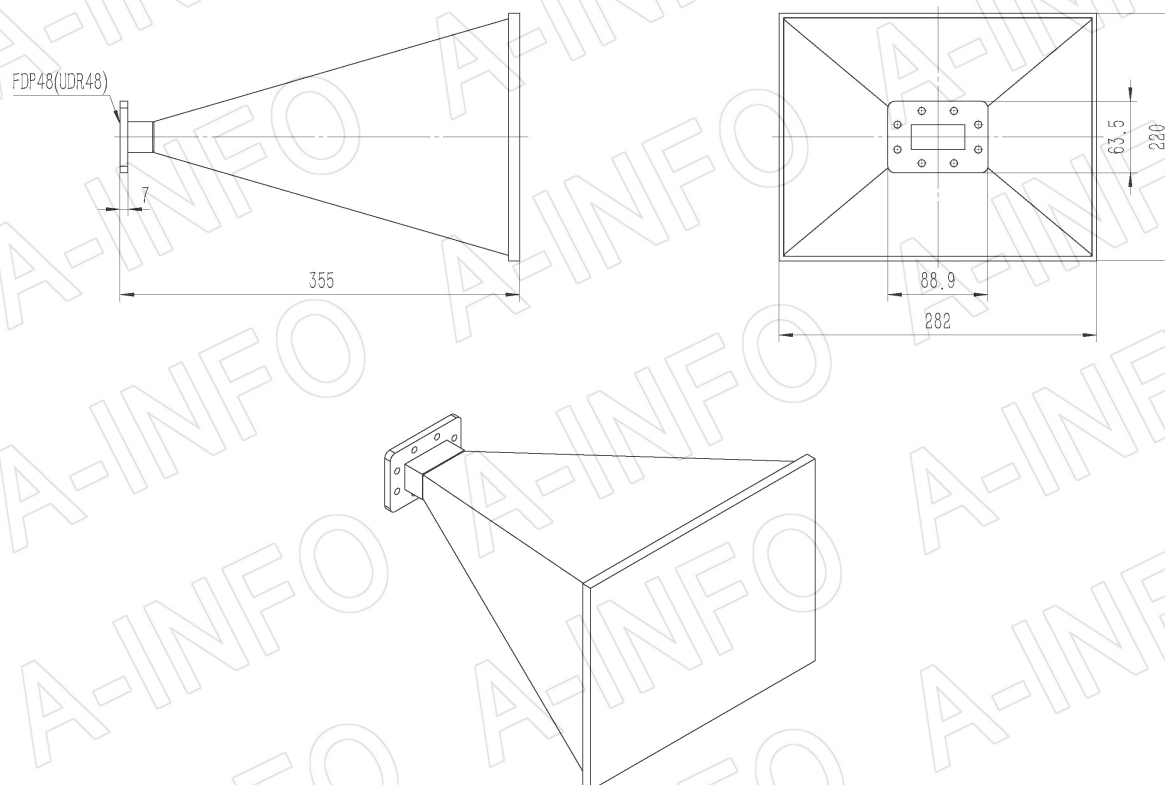


N-Female Output with L Type Mounting Bracket (Option, P/N: LB-187-20-C-MBL)

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

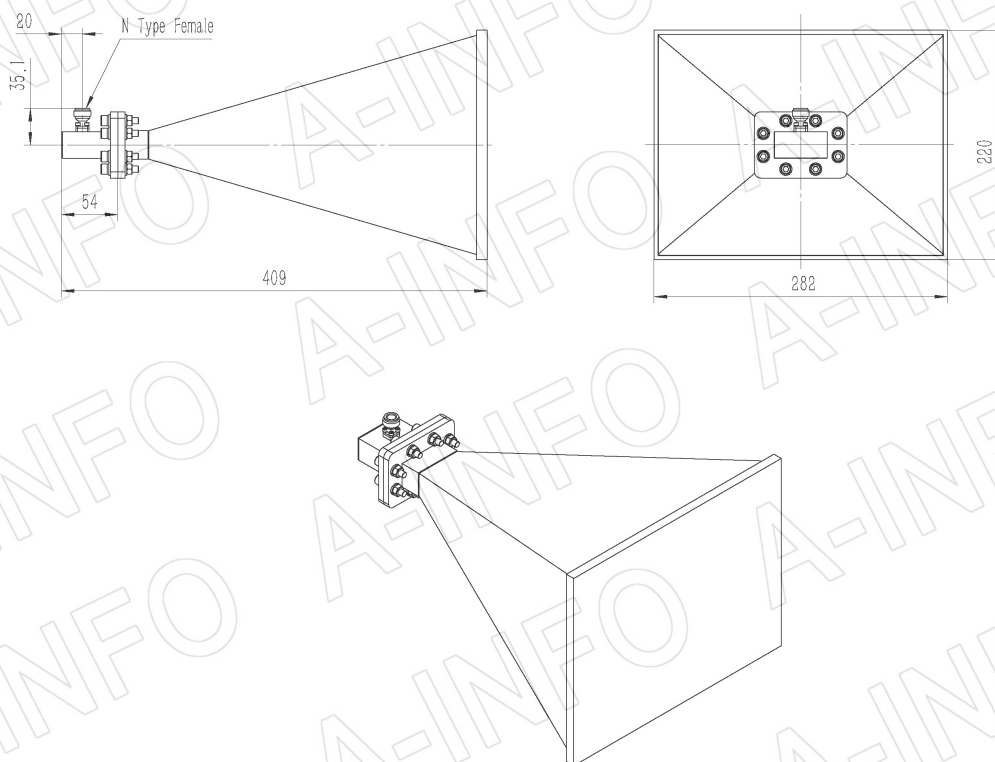


FDP48 Output with Radome (Option, P/N: LB-187-20-ASPO, Outdoor Application)



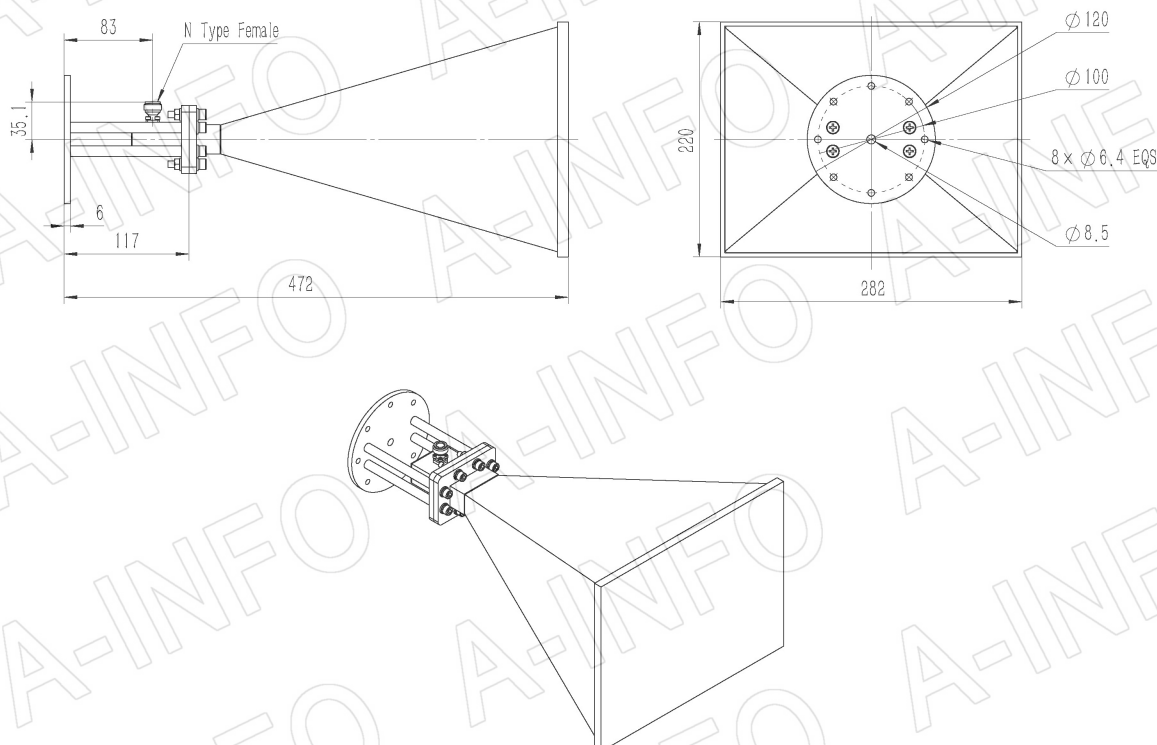
N-Female Output with Radome (Option, P/N: LB-187-20-C-NFSPO, Outdoor Application)

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



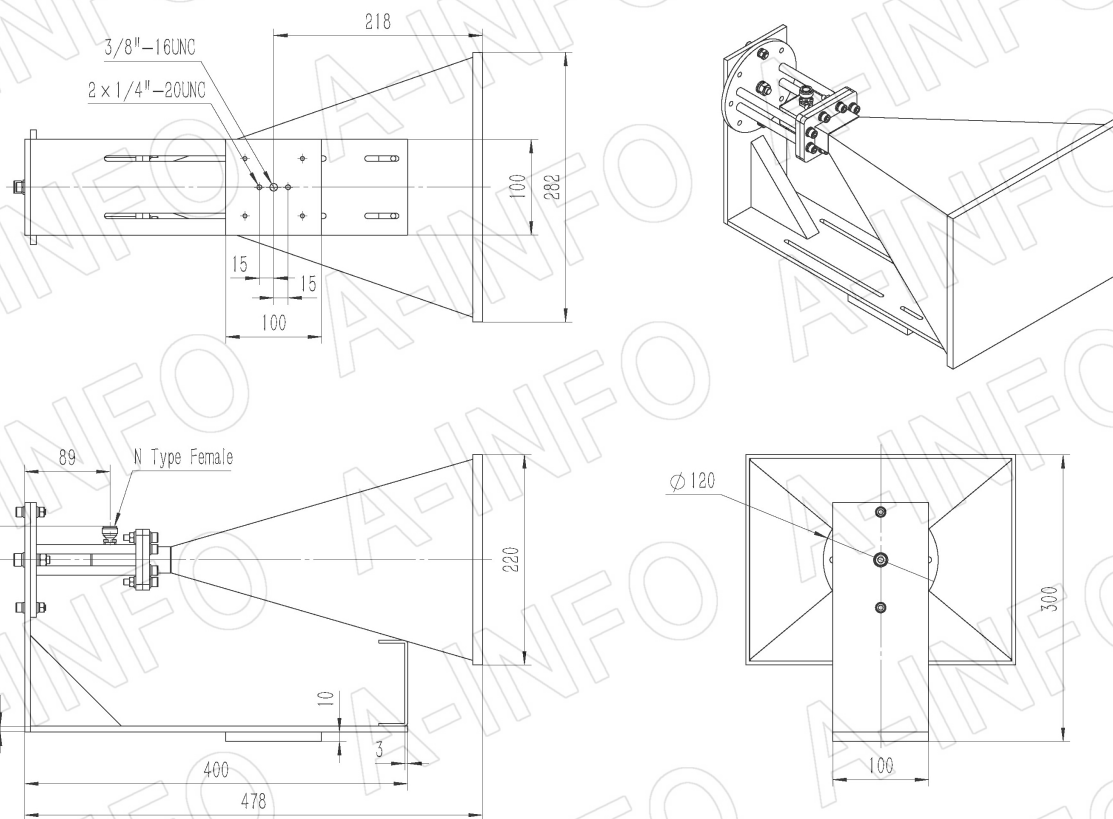
N-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-187-10-C-MB & LB-187-20-C-NFSPO, Outdoor Application)

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

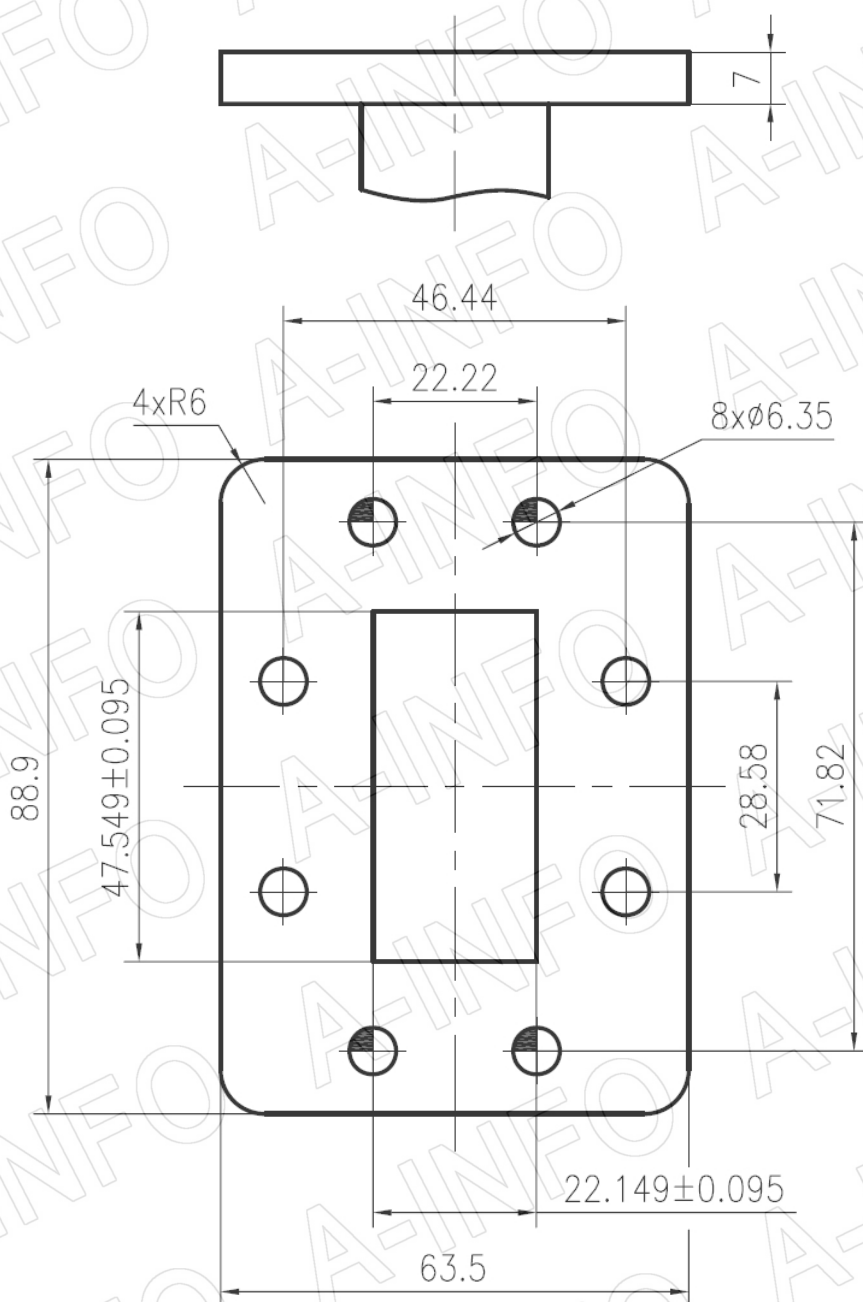


N-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-187-20-C-MBL & LB-187-20-C-NFSPO, Outdoor Application)

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



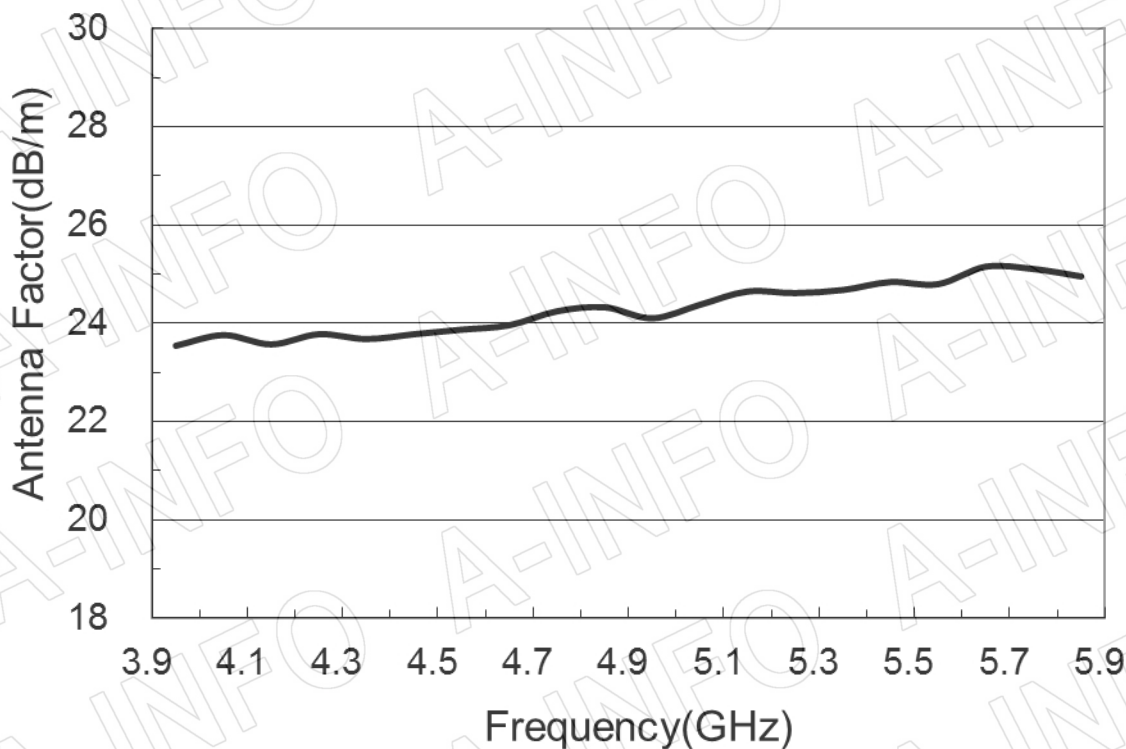
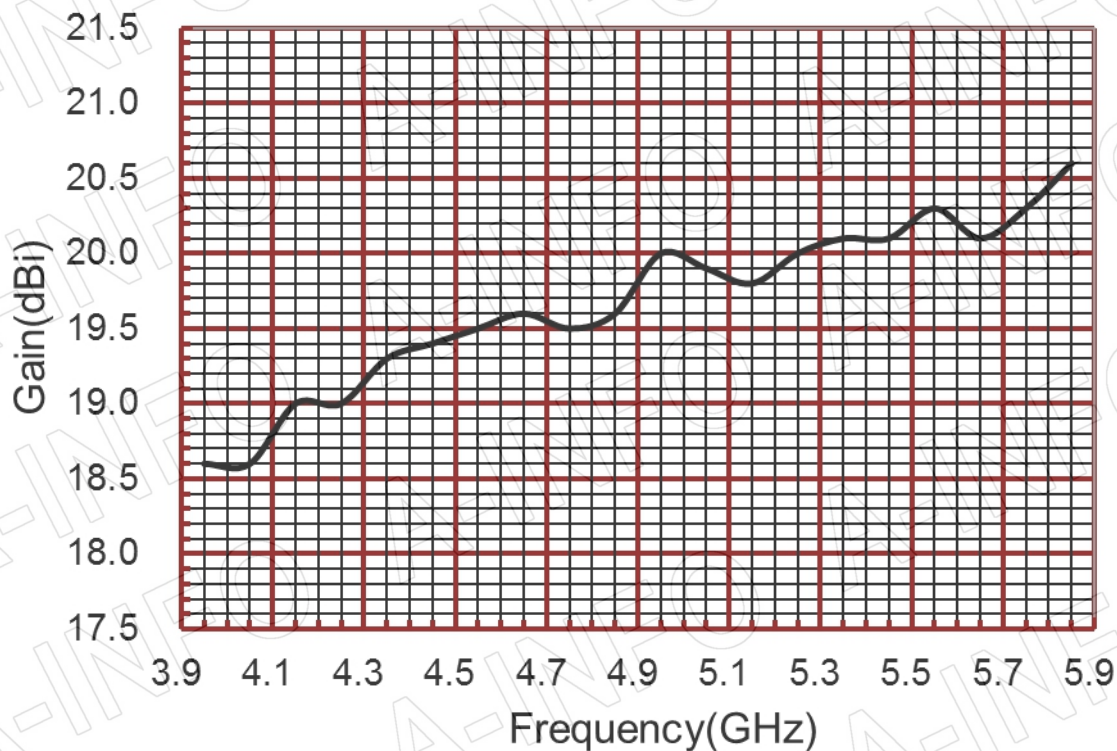
Flange Drawing (Size: mm)



FDP48

Test Results

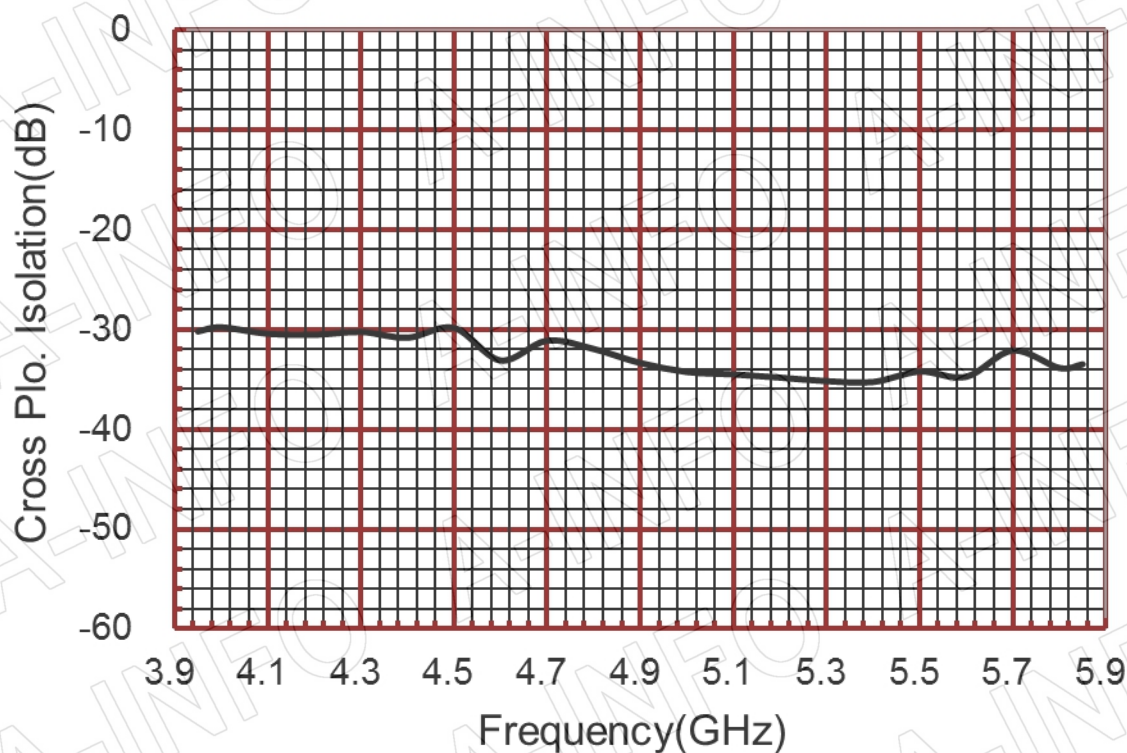
1. Gain & Antenna Factor



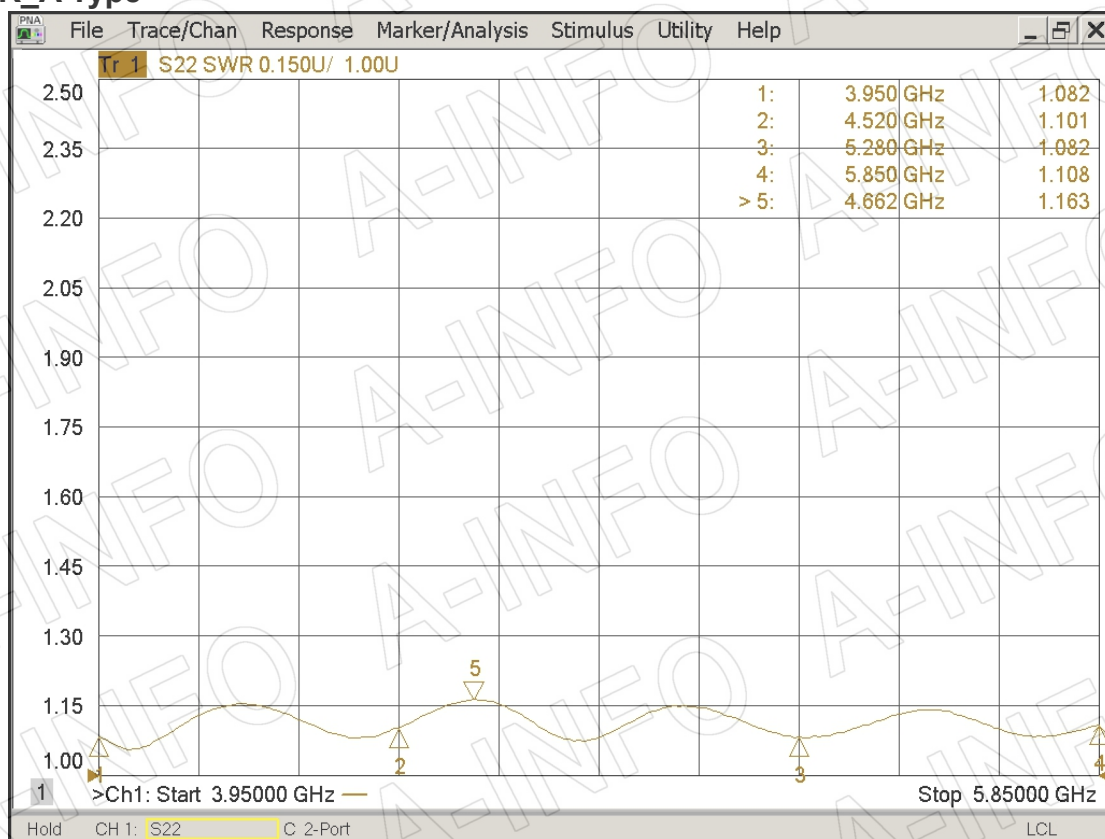
Frequency (GHz)	Gain (dBi)	Antenna Factor (dB/m)
3.95	18.60	23.54
4.05	18.60	23.76
4.15	19.00	23.57
4.25	19.00	23.78
4.35	19.30	23.68
4.45	19.40	23.78
4.55	19.50	23.87
4.65	19.60	23.96
4.75	19.50	24.24
4.85	19.60	24.32

Frequency (GHz)	Gain (dBi)	Antenna Factor (dB/m)
4.95	20.00	24.10
5.05	19.90	24.38
5.15	19.80	24.65
5.25	20.00	24.61
5.35	20.10	24.68
5.45	20.10	24.84
5.55	20.30	24.80
5.65	20.10	25.15
5.75	20.30	25.10
5.85	20.60	24.95

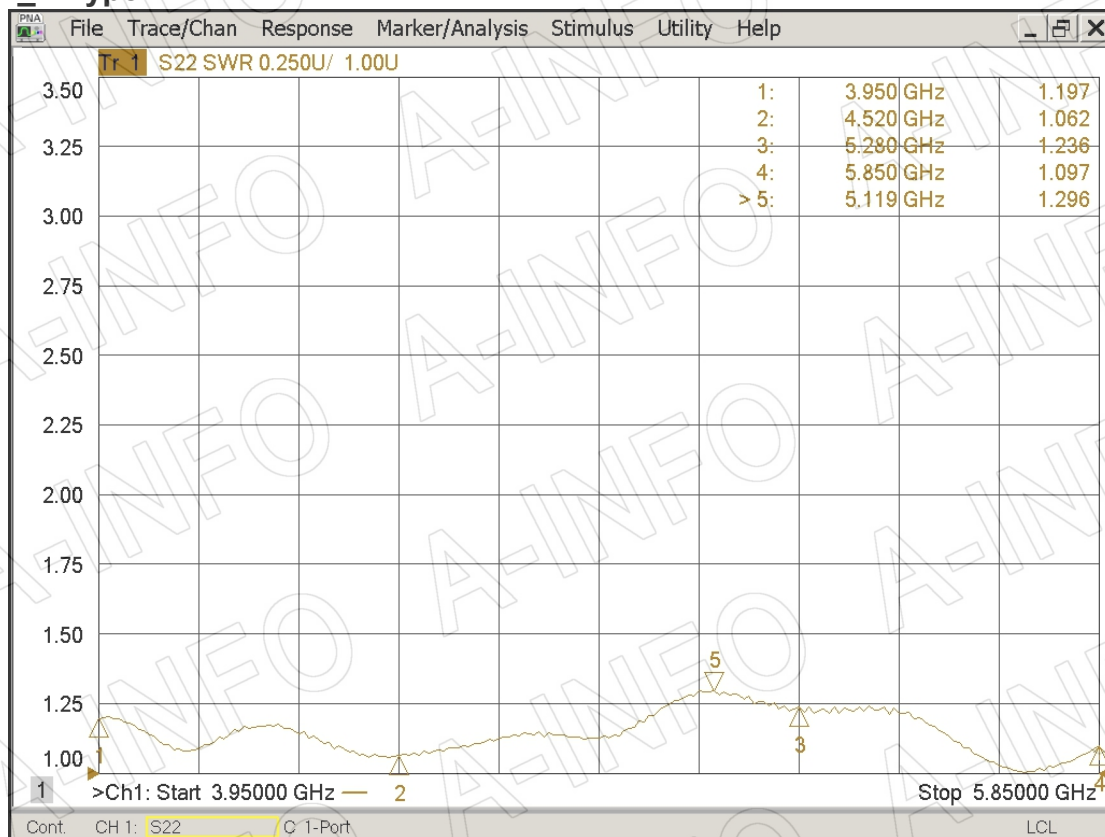
2. Cross Polarization Isolation



3. VSWR_A Type

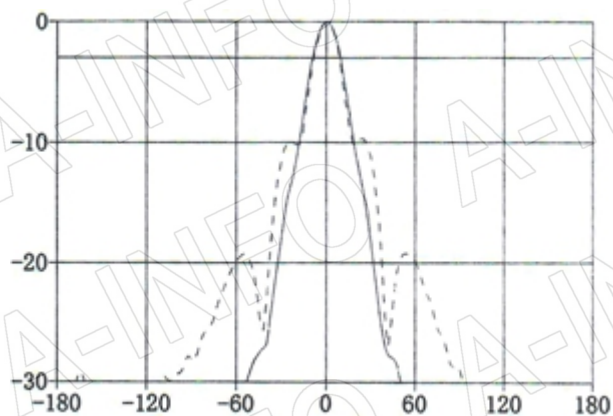


VSWR_C Type



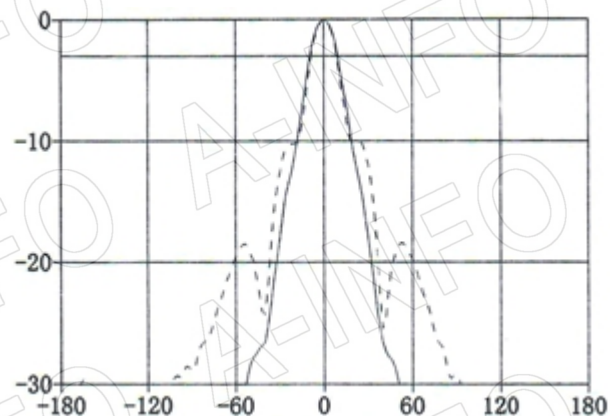
4. Pattern

Frequency: 3.95GHz



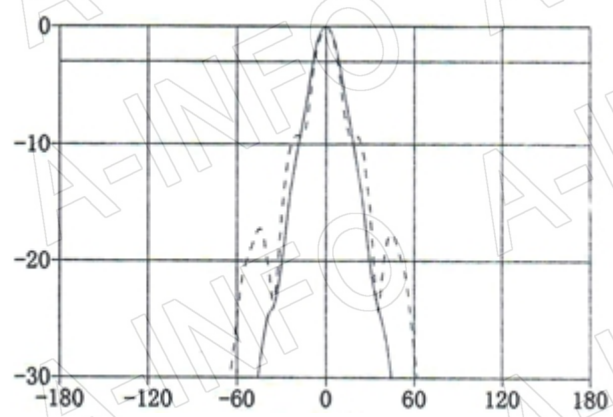
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 18.44 3dB Beamwidth (deg): 17.05

Frequency: 4.0GHz



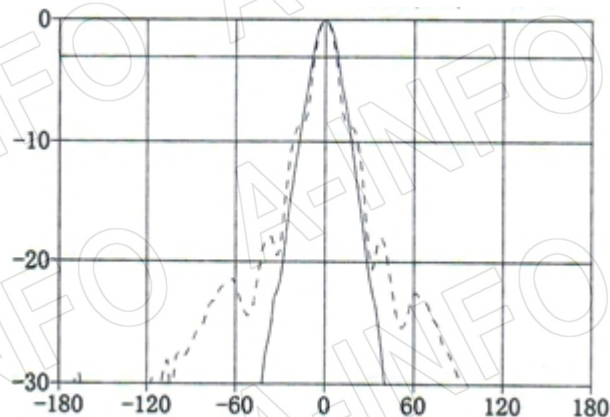
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 18.83 3dB Beamwidth (deg): 17.29

Frequency: 4.5GHz



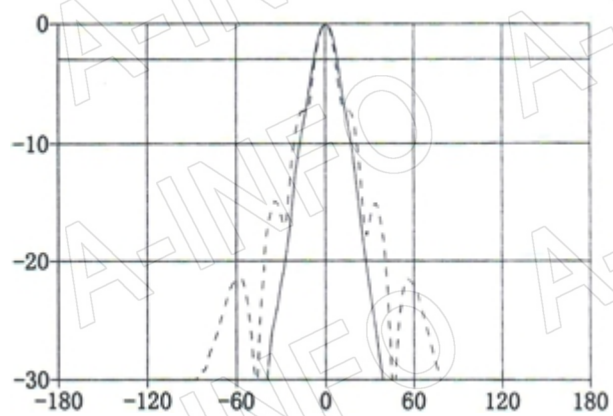
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 17.54 3dB Beamwidth (deg): 15.28

Frequency: 5.0GHz



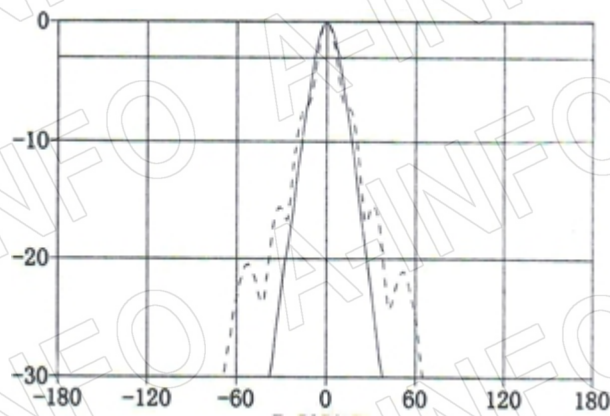
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 16.62 3dB Beamwidth (deg): 14.09

Frequency: 5.5GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 15.51 3dB Beamwidth (deg): 13.33

Frequency: 5.85GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 15.92 3dB Beamwidth (deg): 12.55