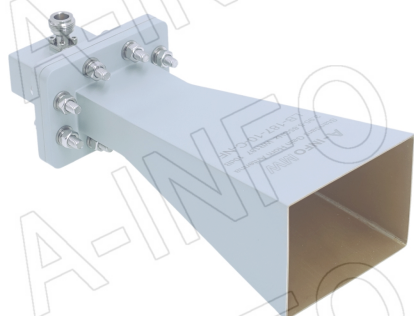


For reference only. See data sheet for the detailed specifications.

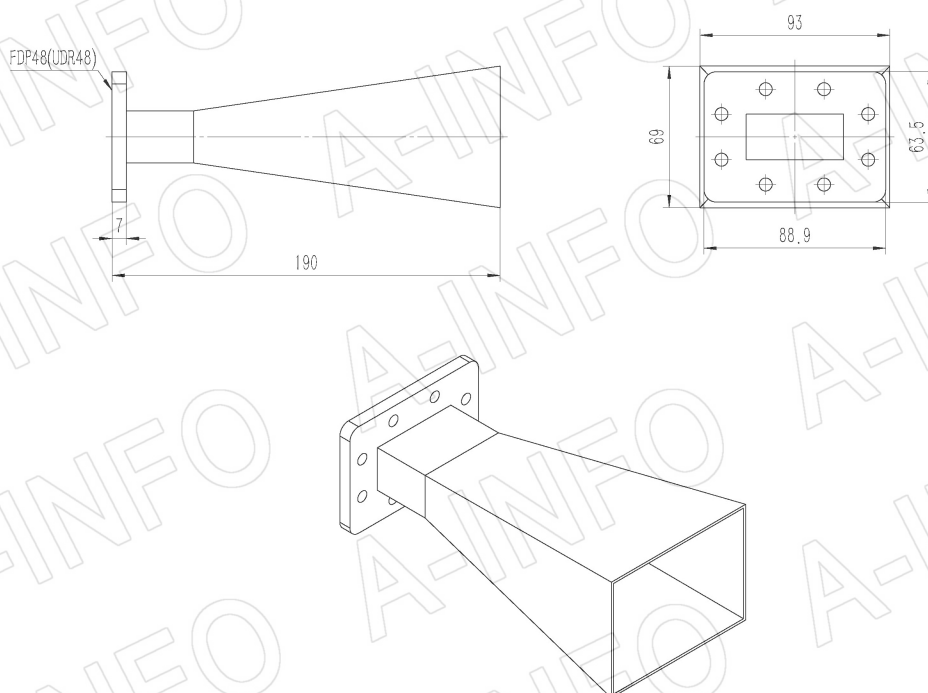
Technical Specification



Frequency Range(GHz)	3.95 – 5.85
Waveguide	WR187
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 43 Typ.
	H Plane: 40 Typ.
Cross Pol. Isolation(dB)	35 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: 93 x 69 x 190
	C Type: 93 x 69.6 x 244
Net Weight(Kg)	A Type: 0.30 Around
	C Type: 0.50 Around

Outline Drawing (Size: mm)

FDP48 Output (P/N: LB-187-10-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

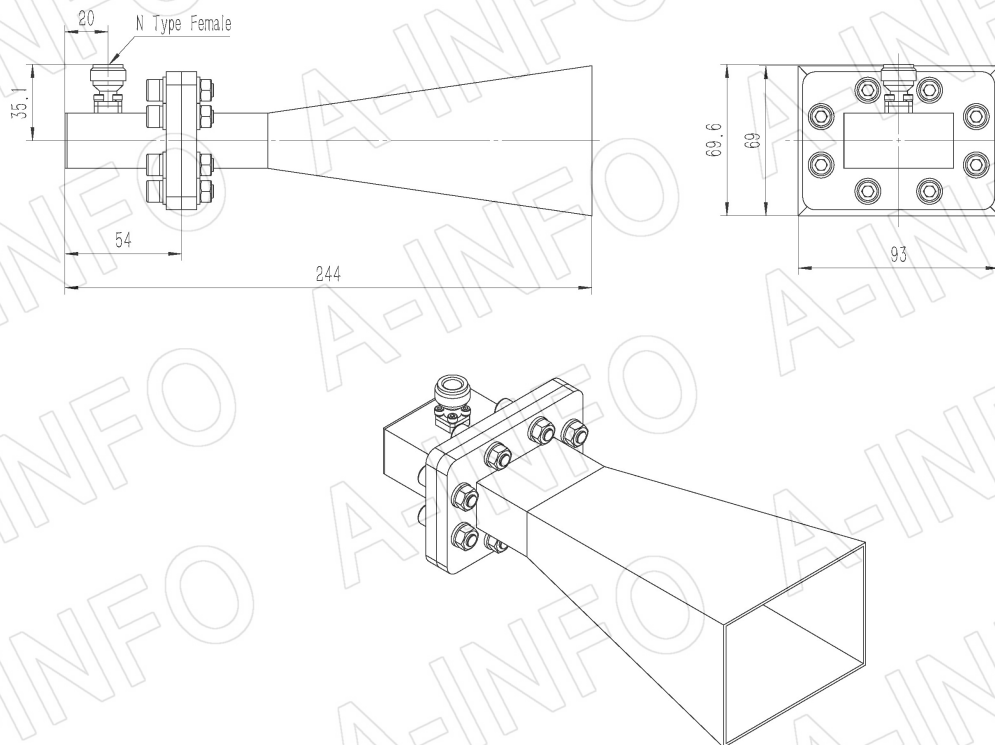
Page 1 of 10

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

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

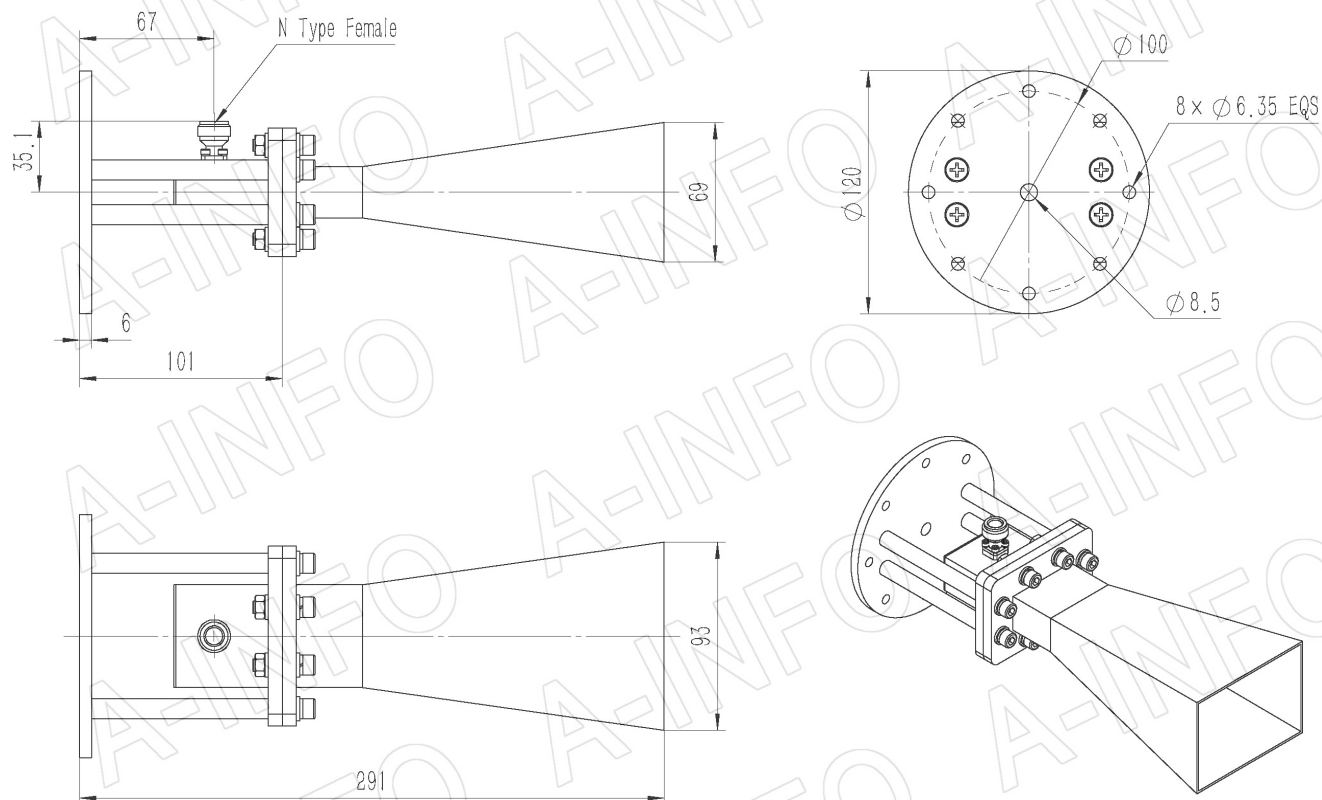
N-Female Output (P/N: LB-187-10-C-NF)

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



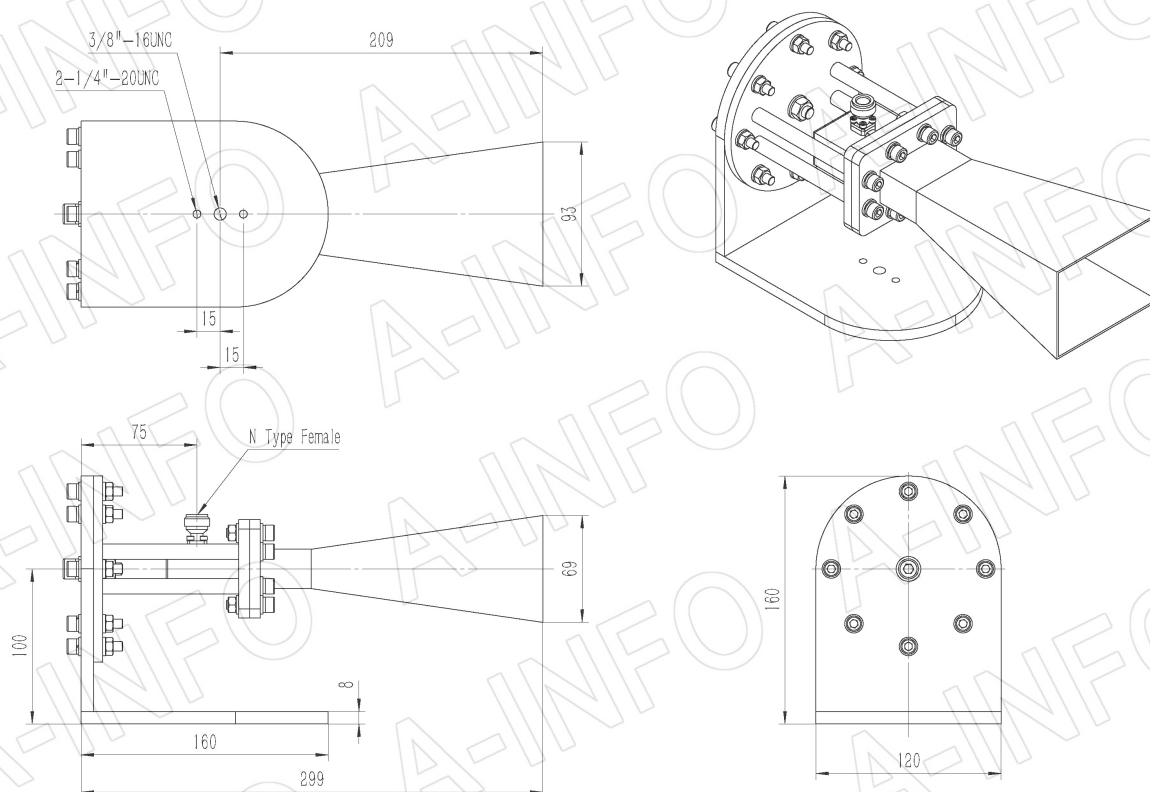
N-Female Output with Round Mounting Bracket (Option, P/N: LB-187-10-C-MB)

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

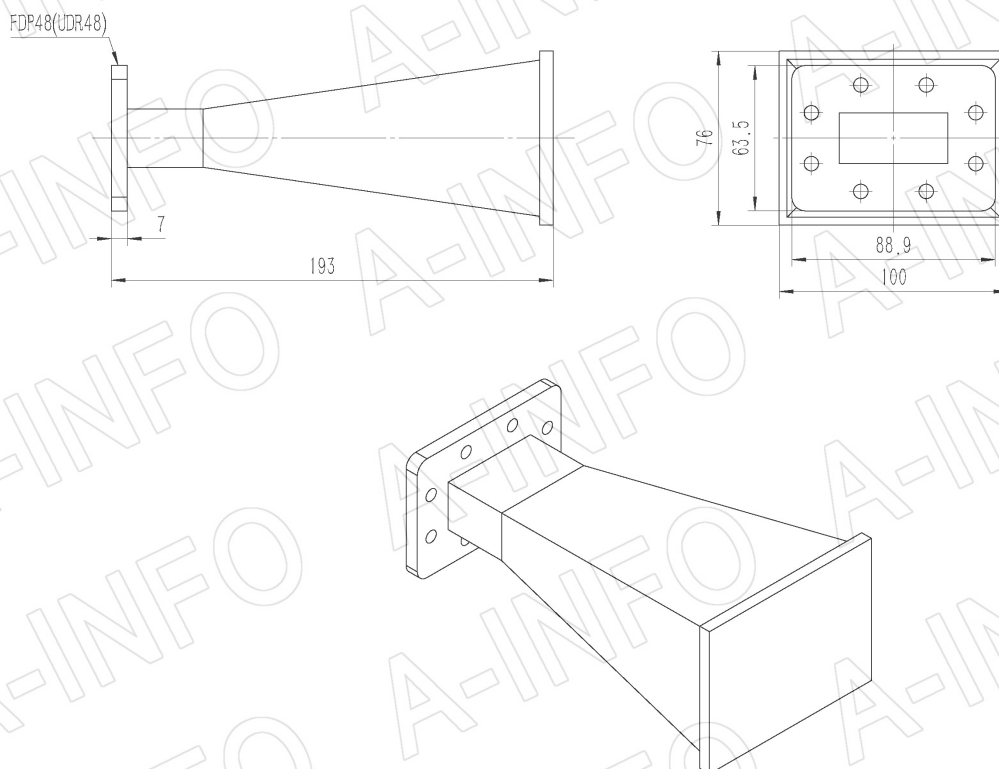


N-Female Output with L Type Mounting Bracket (Option, P/N: LB-187-10-C-MBL)

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

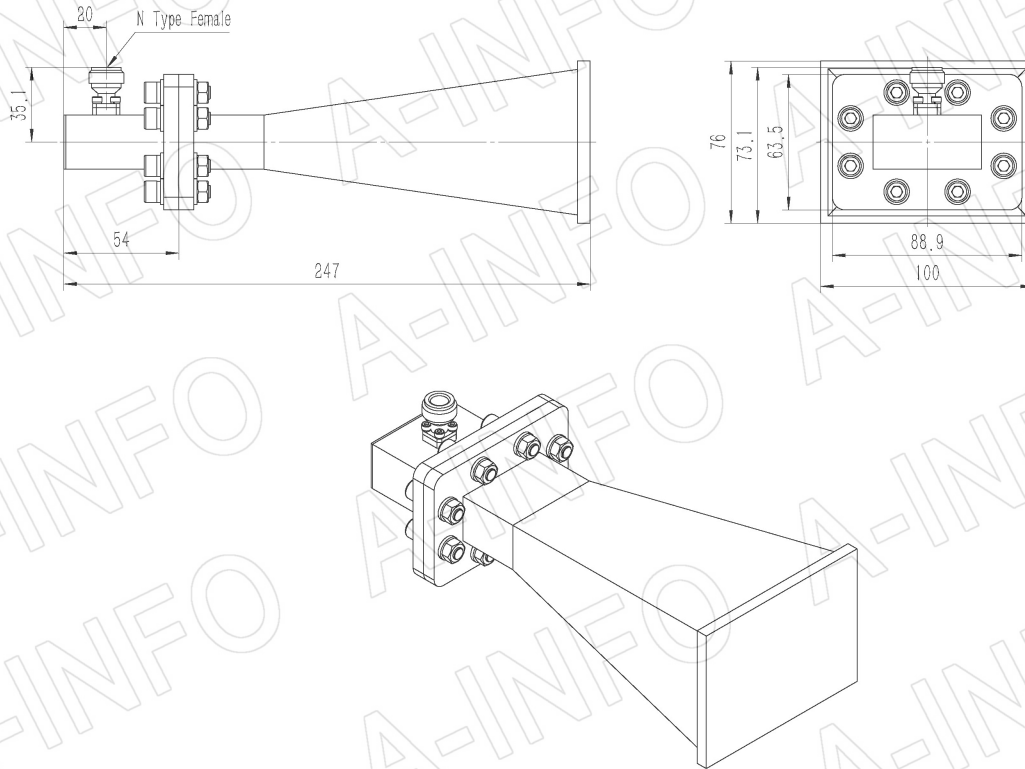


FDP48 Output with Radome (Option, P/N: LB-187-10-ASPO, Outdoor Application)



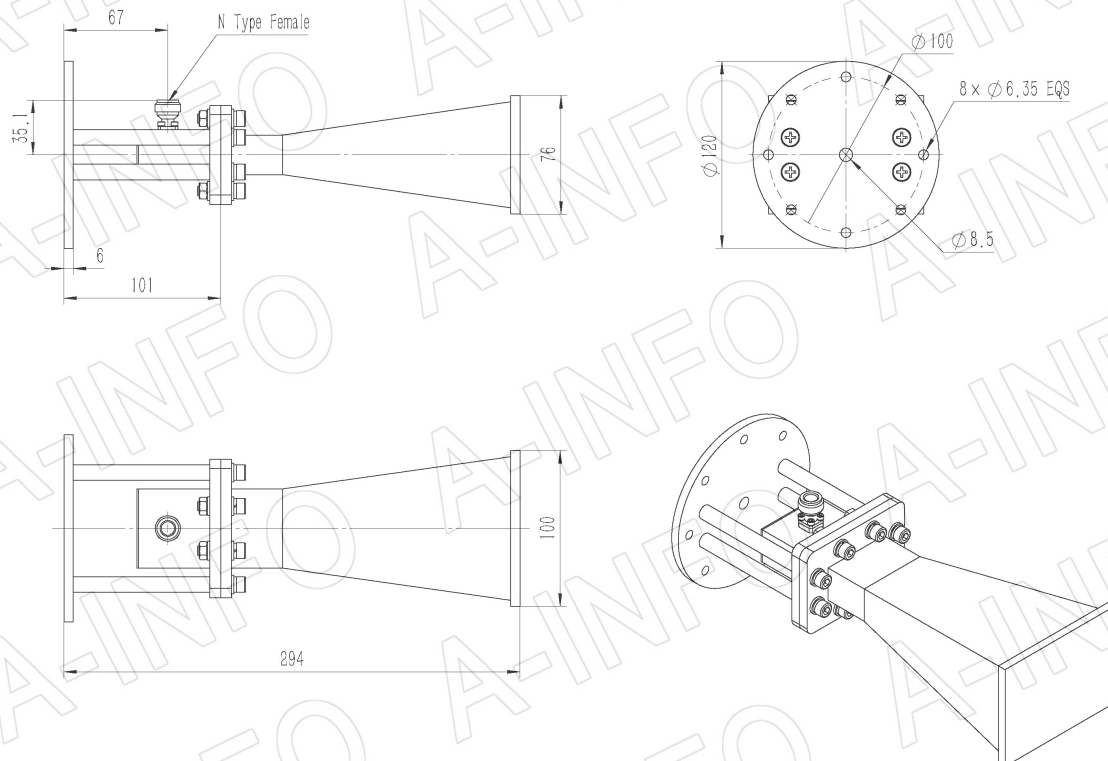
N-Female Output with Radome (Option, P/N: LB-187-10-C-NFSPO, Outdoor Application)

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



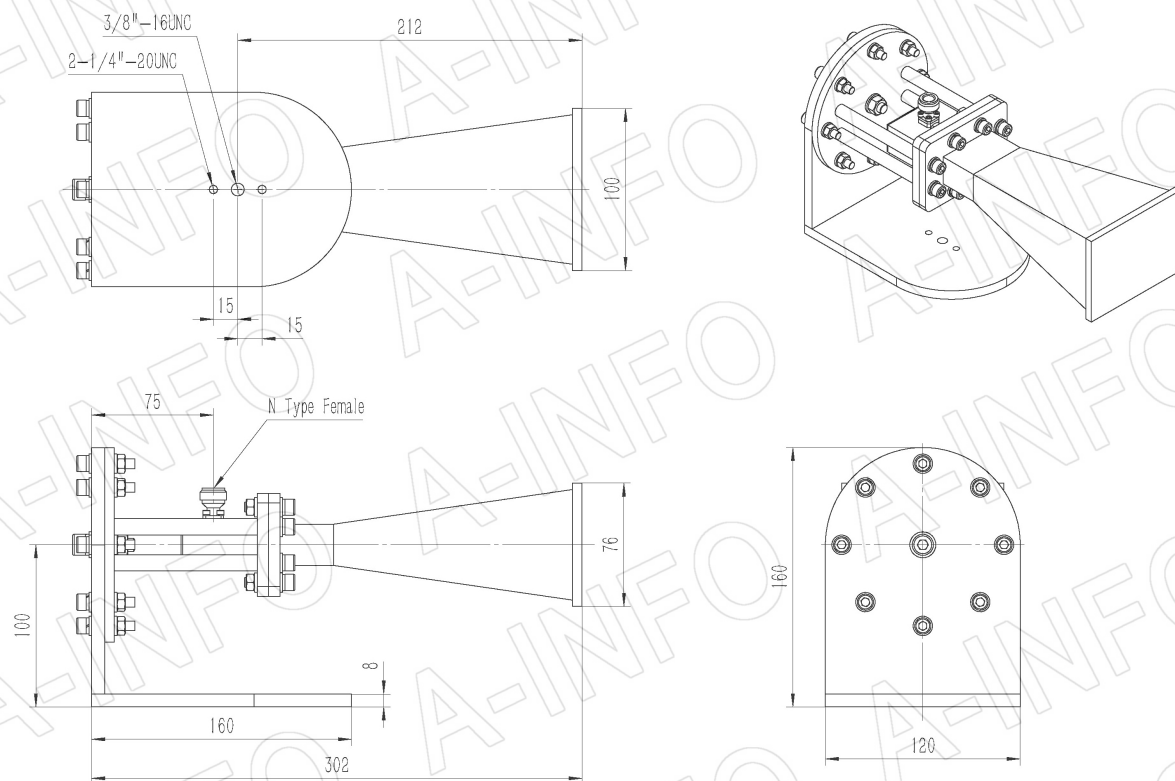
N-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-187-10-C-MB & LB-187-10-C-NFSPO, Outdoor Application)

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

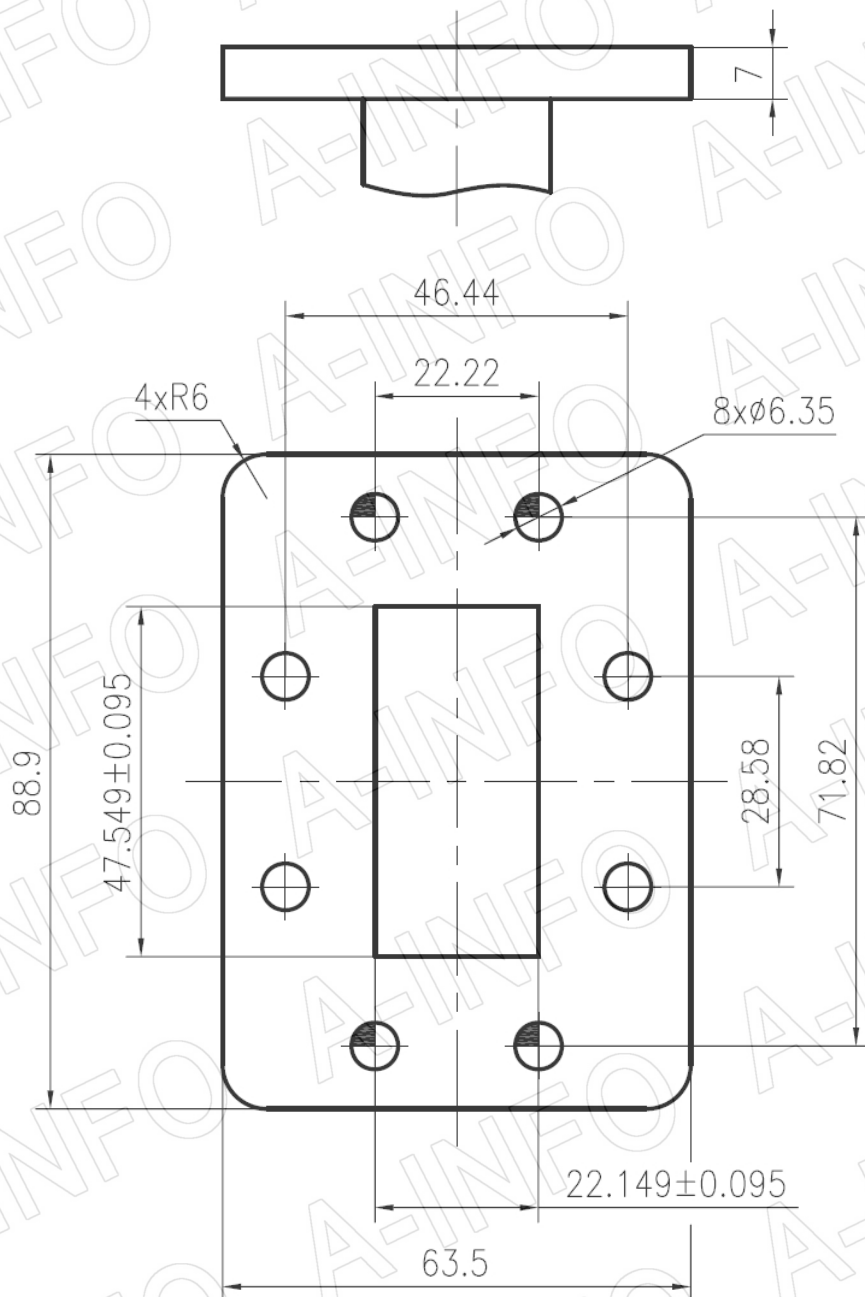


N-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-187-10-C-MBL & LB-187-10-C-NFSPO, Outdoor Application)

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



Flange Drawing (Size: mm)



FDP48

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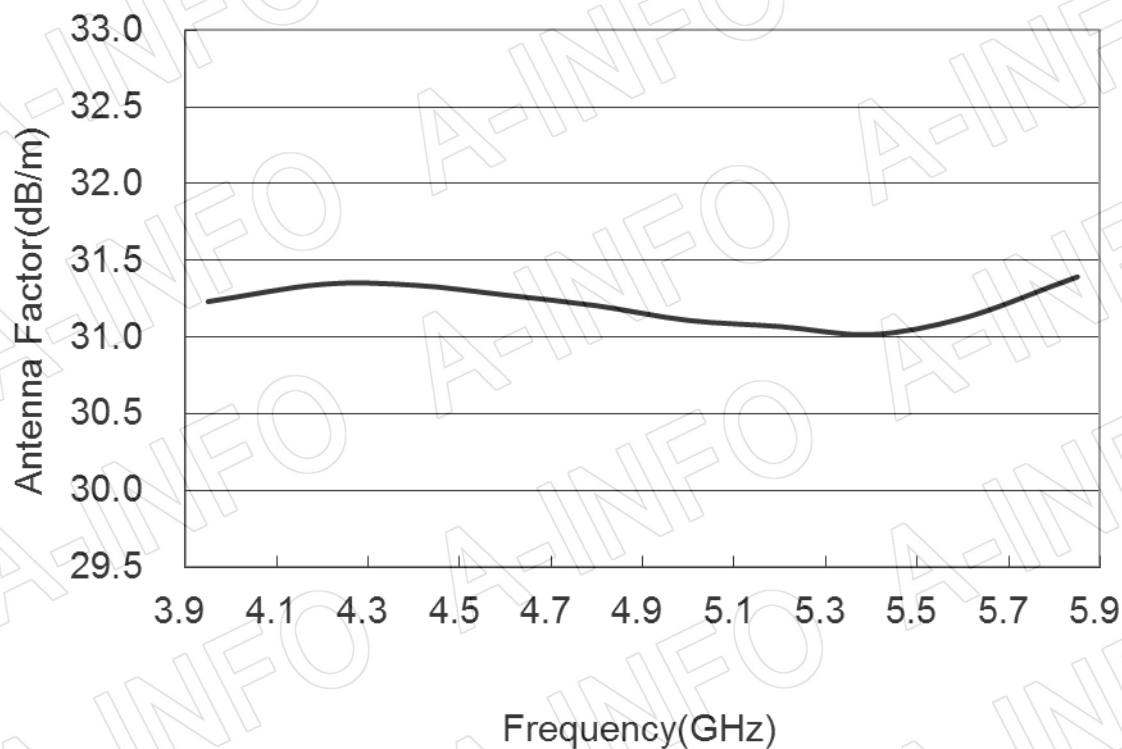
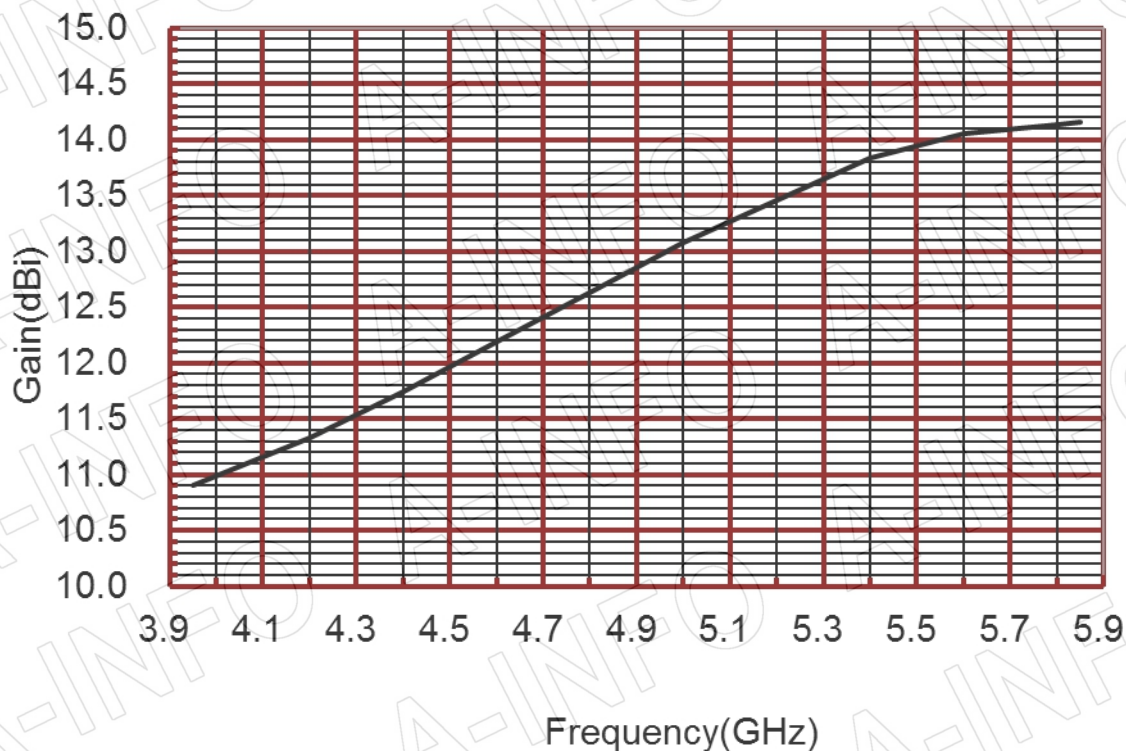
Page 6 of 10

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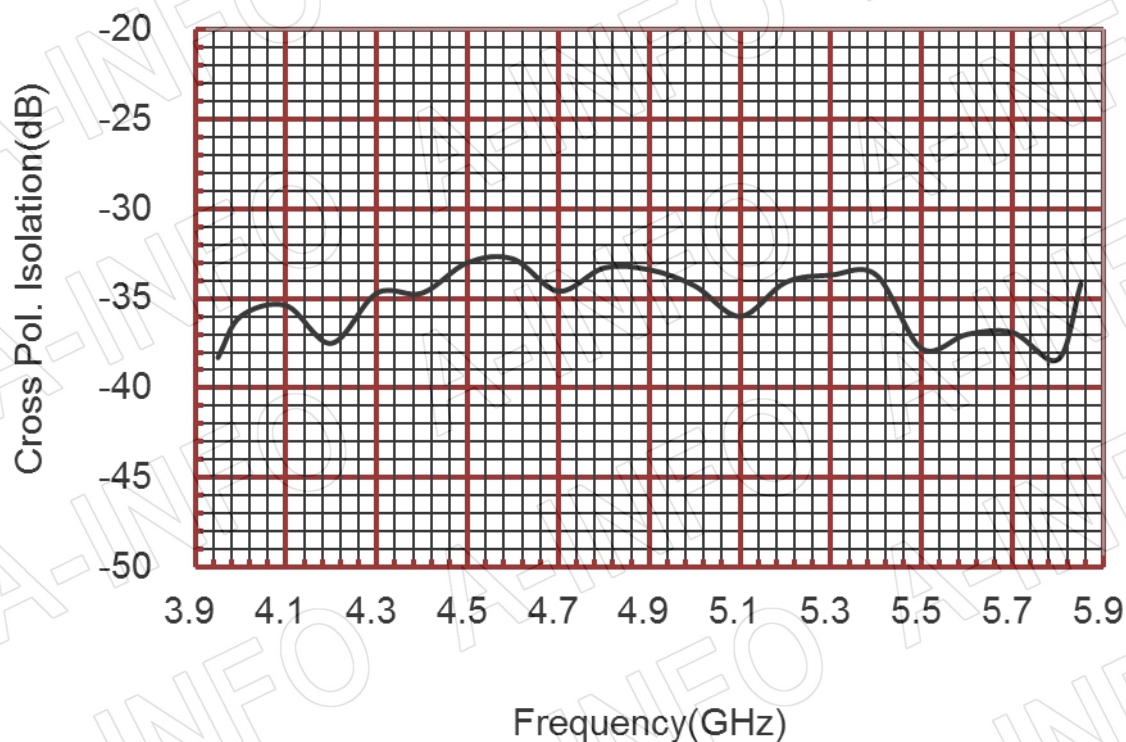
Test Results

1. Gain & Antenna Factor

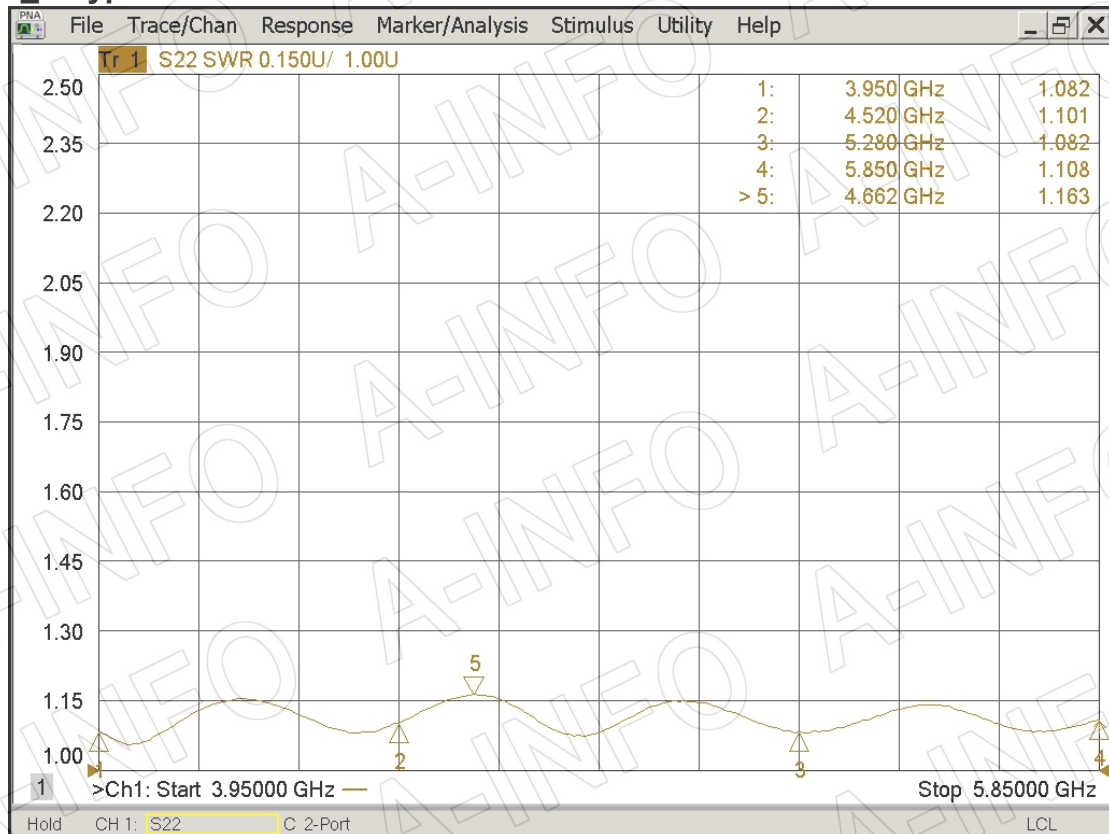


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
3.95	10.91	31.23
4.20	11.33	31.34
4.40	11.74	31.34
4.60	12.19	31.28
4.80	12.63	31.20
5.00	13.08	31.11
5.20	13.46	31.07
5.40	13.84	31.02
5.60	14.05	31.12
5.80	14.14	31.34
5.85	14.16	31.39

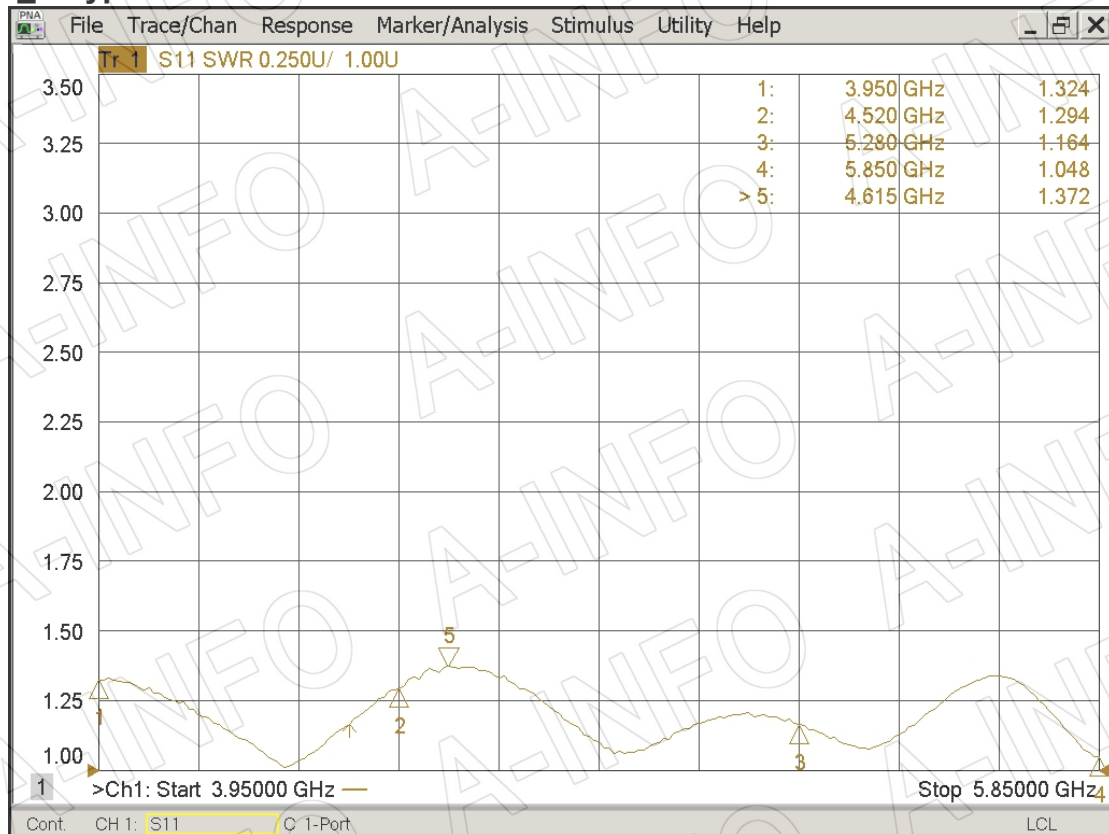
2. Cross Polarization Isolation



3. VSWR_A Type

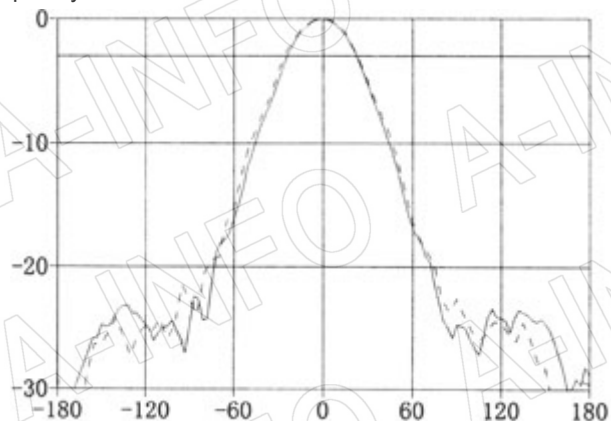


VSWR_C Type



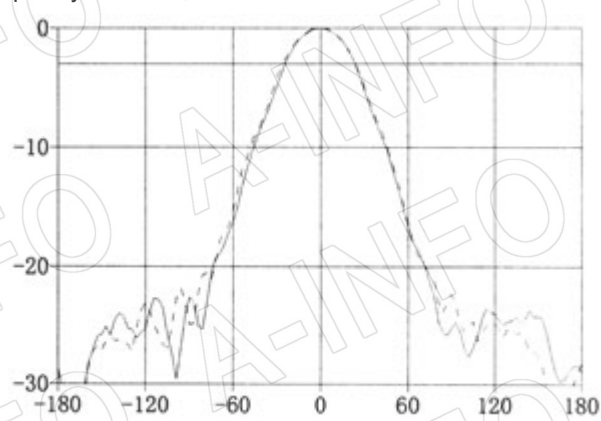
4. Pattern

Frequency: 3.95GHz



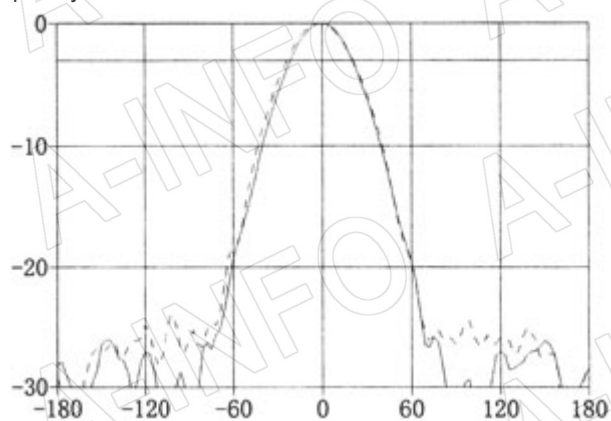
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 46.35 3dB Beamwidth (deg): 48.61

Frequency: 4.0GHz



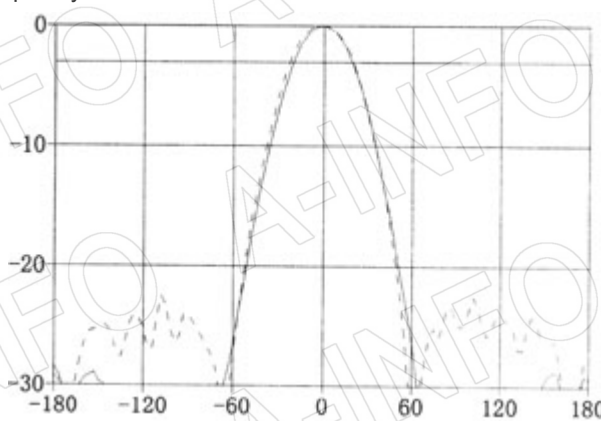
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 47.95 3dB Beamwidth (deg): 49.64

Frequency: 4.5GHz



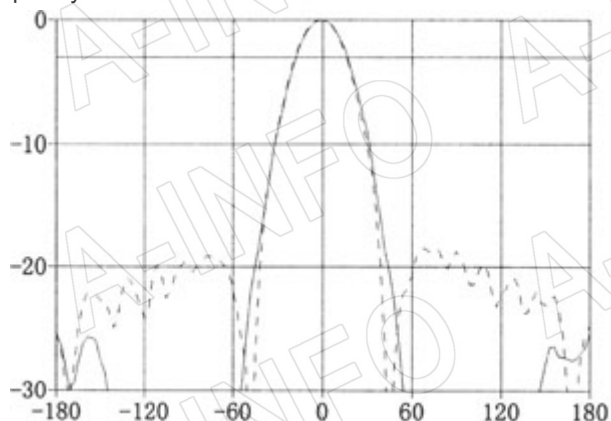
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 41.84 3dB Beamwidth (deg): 44.38

Frequency: 5.0GHz



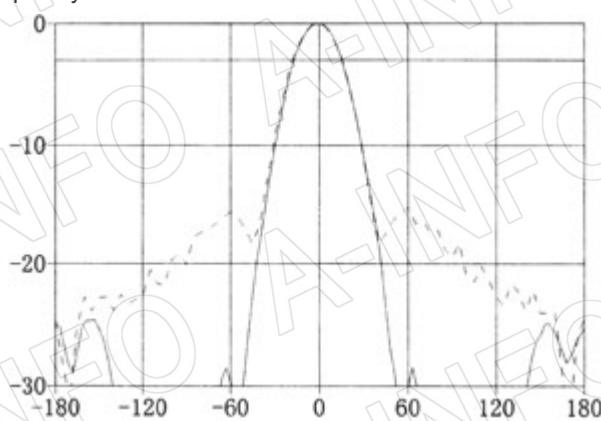
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 39.31 3dB Beamwidth (deg): 42.67

Frequency: 5.5GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 34.39 3dB Beamwidth (deg): 34.26

Frequency: 5.85GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 32.27 3dB Beamwidth (deg): 33.44