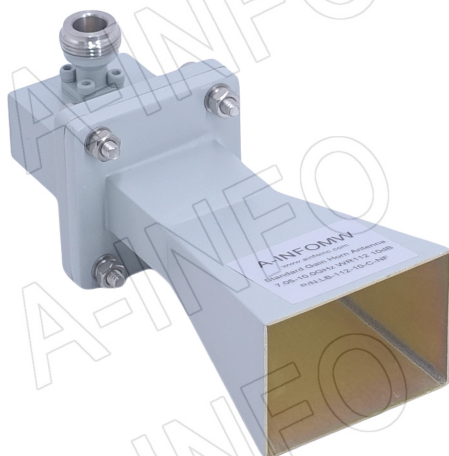


For reference only. See data sheet for the detailed specifications.

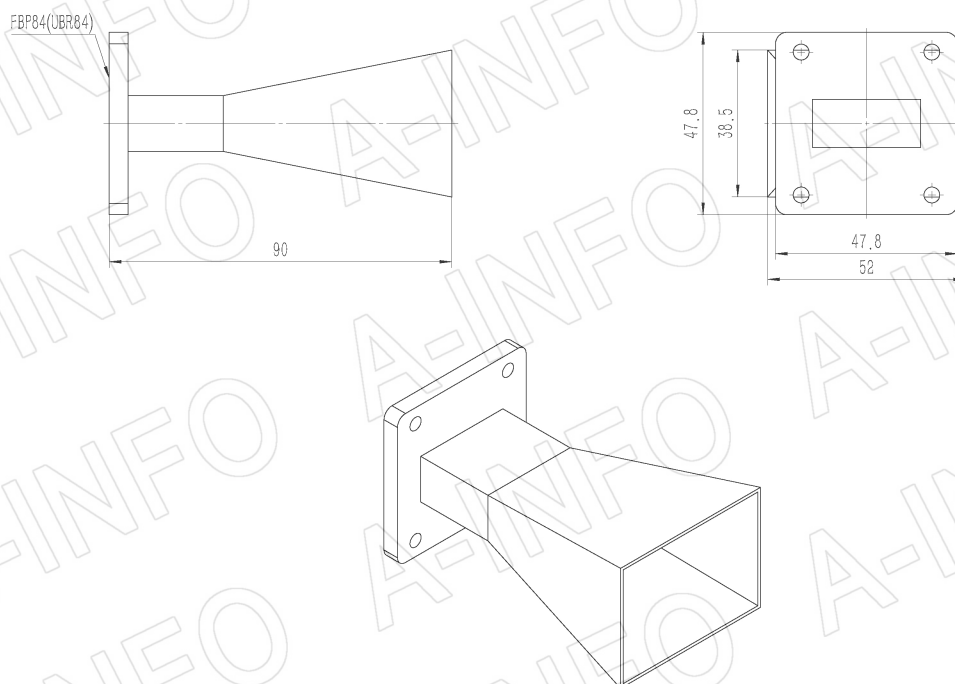
Technical Specification



Frequency Range(GHz)	7.05 – 10.0
Waveguide	WR112
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 41 Typ. H Plane: 40 Typ.
Cross Pol. Isolation(dB)	30 Typ.
VSWR	A Type: 1.15:1 Typ. C Type: 1.25:1 Typ.
Output	A Type: FBP84(UBR84) 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: 52 x 47.8 x 90 C Type: 52 x 54.2 x 130
Net Weight(Kg)	A Type: 0.06 Around C Type: 0.15 Around

Outline Drawing (Size: mm)

FBP84 Output (P/N: LB-112-10-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

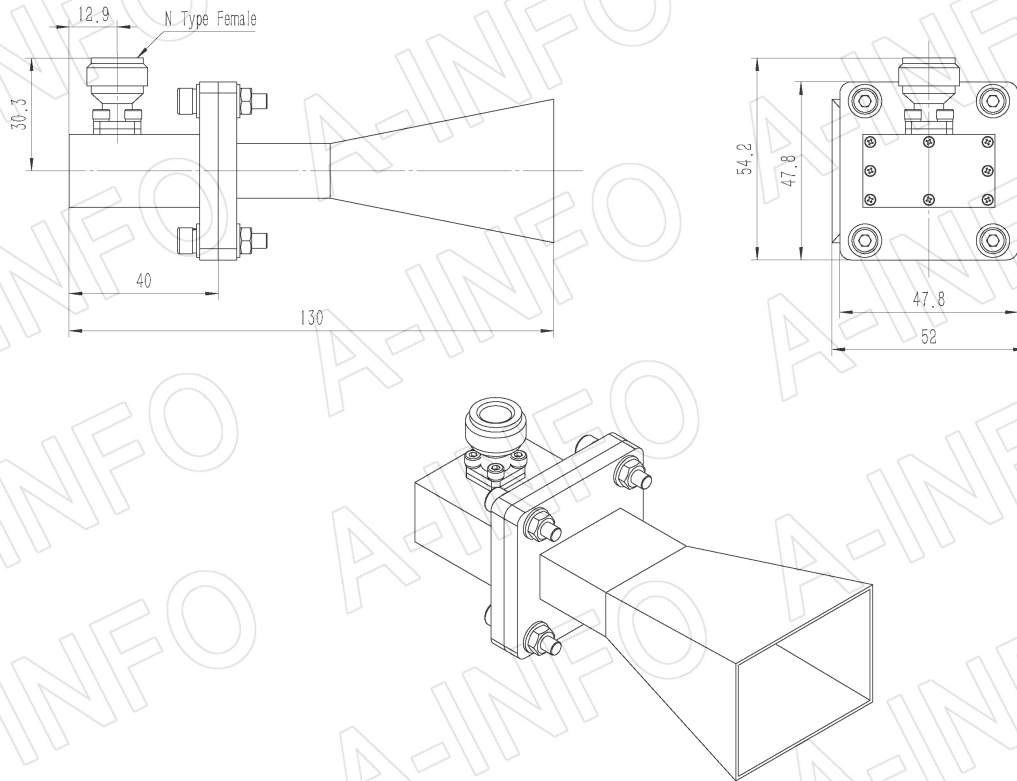
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Fax: (+86) 10-6266-7379
Fax: (+86) 28-8519-3068
Fax: (+1) 949-639-9670

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

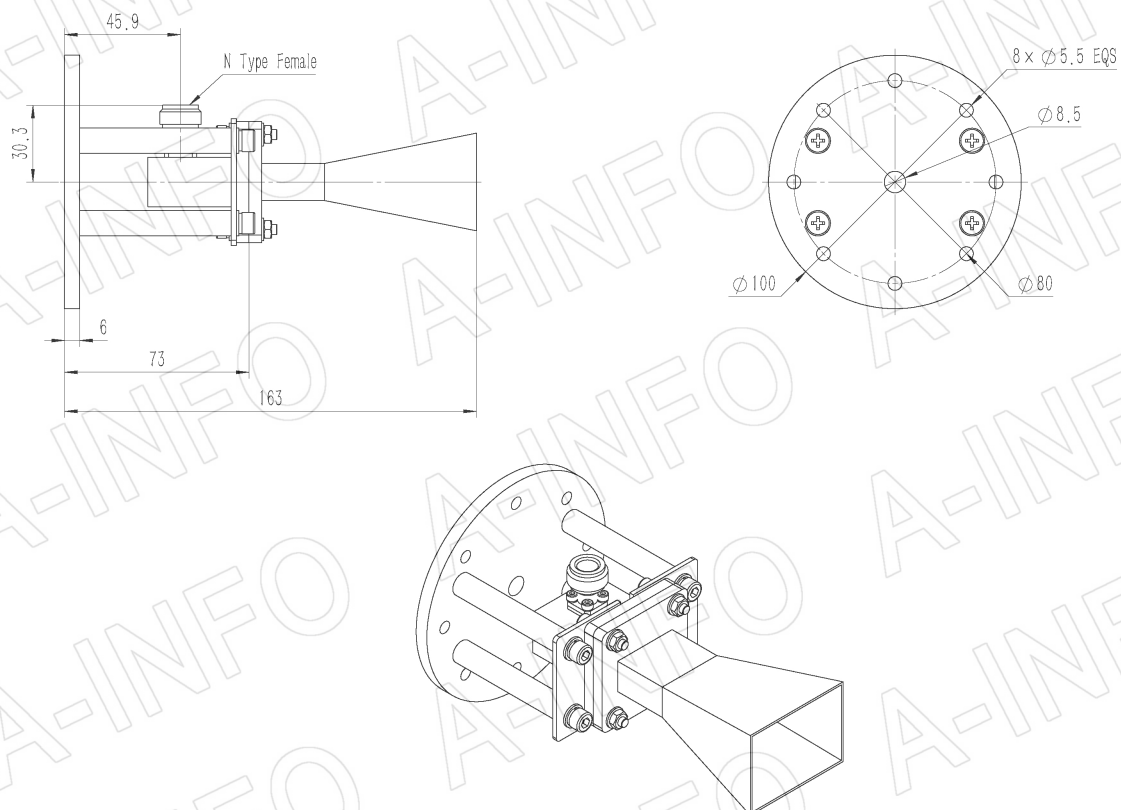
N-Female Output (P/N: LB-112-10-C-NF)

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



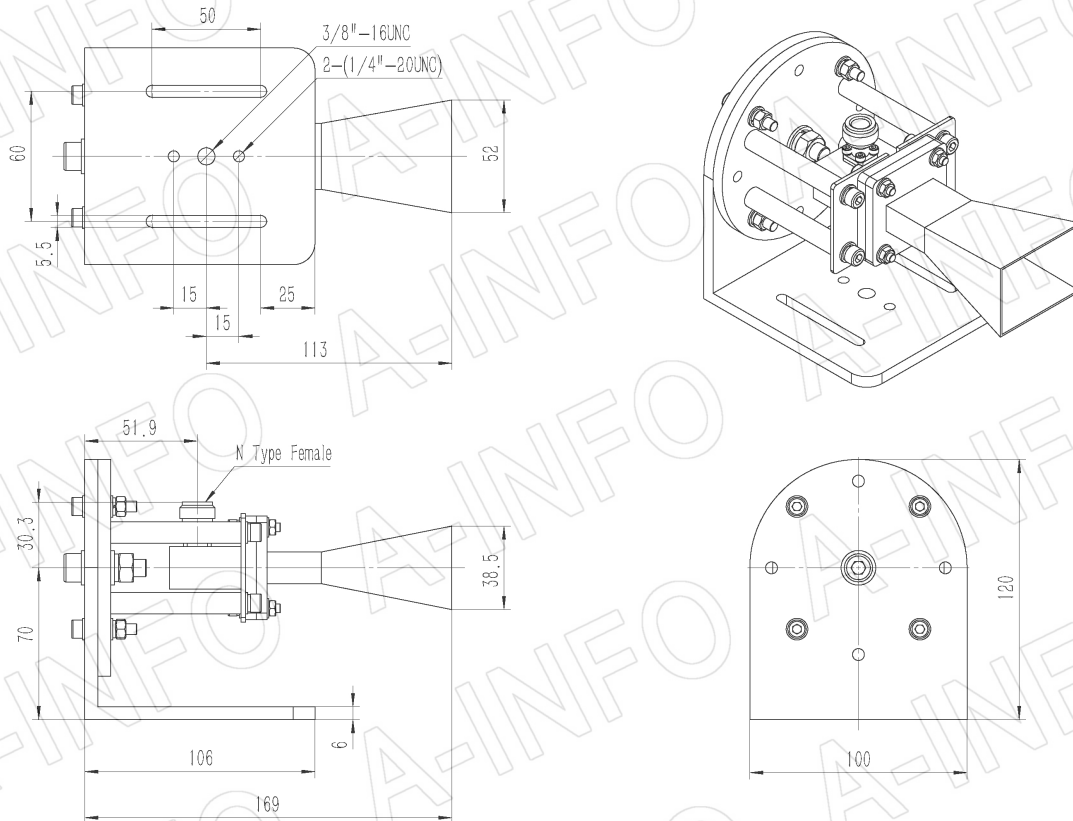
N-Female Output with Round Mounting Bracket (Option, P/N: LB-112-10-C-MB)

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

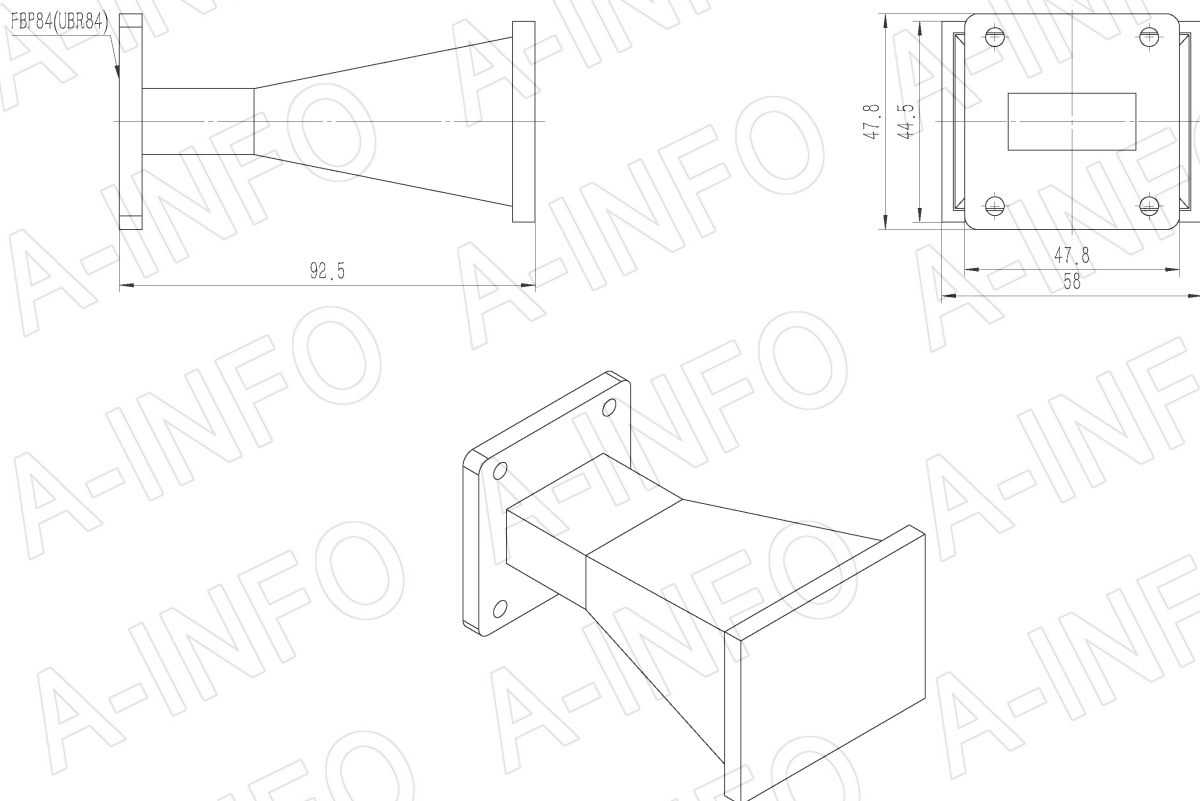


N-Female Output with L Type Mounting Bracket (Option, P/N:LB-112-10-C-MBL)

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

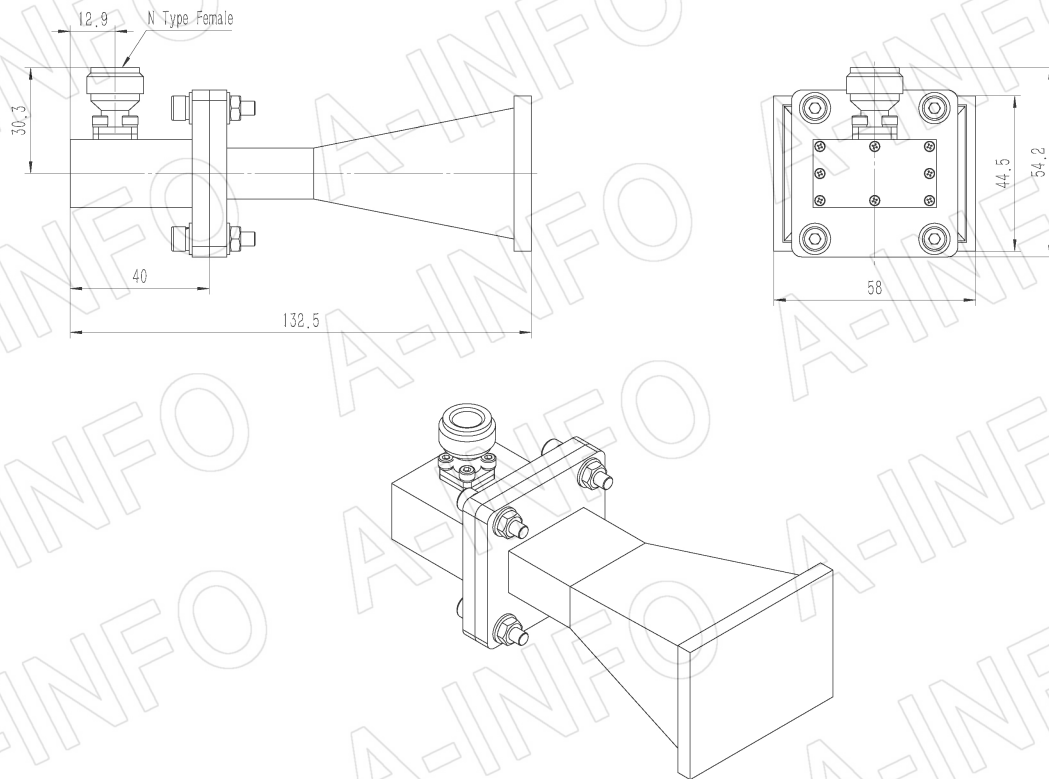


FBP84 Output with Radome (Option, P/N: LB-112-10-ASPO, Outdoor Application)



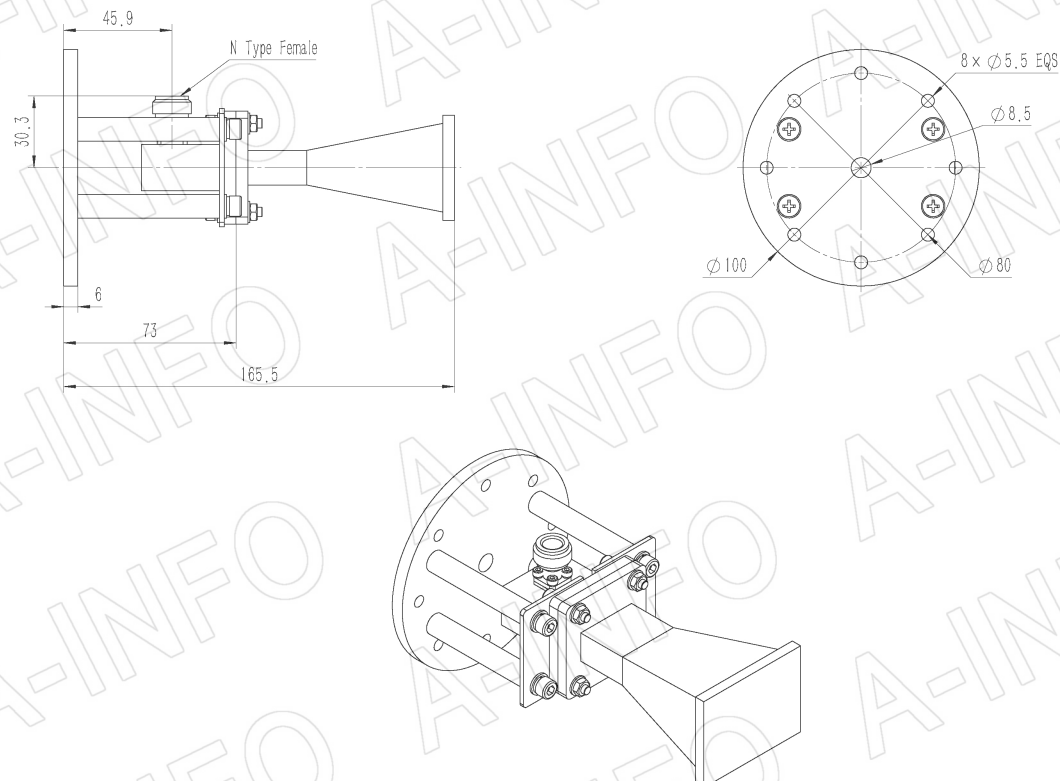
N-Female Output with Radome (Option, P/N: LB-112-10-C-NFSPO, Outdoor Application)

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-112-10-C-MB & LB-112-10-C-NFSPO, Outdoor Application)

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



AINFO Inc.

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

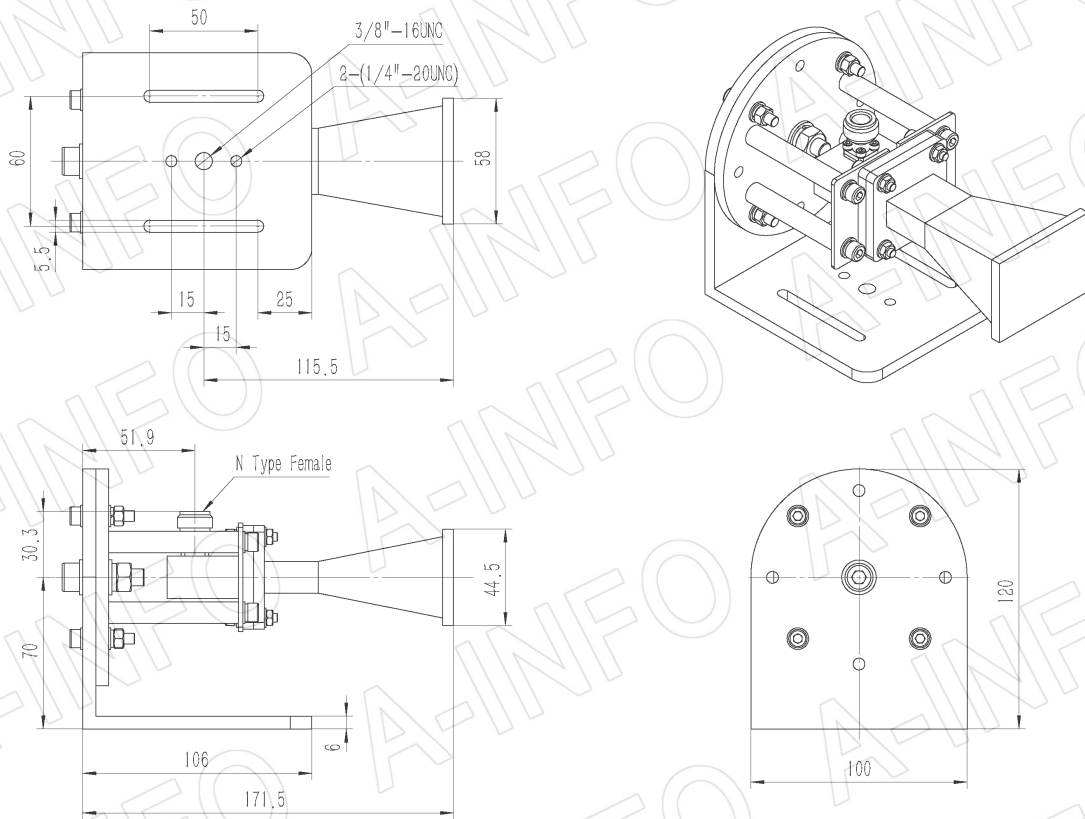
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(+86) 28-8519-3044 Fax: (+86) 28-8519-3068
(+1) 949-639-9608 Fax: (+1) 949-639-9670

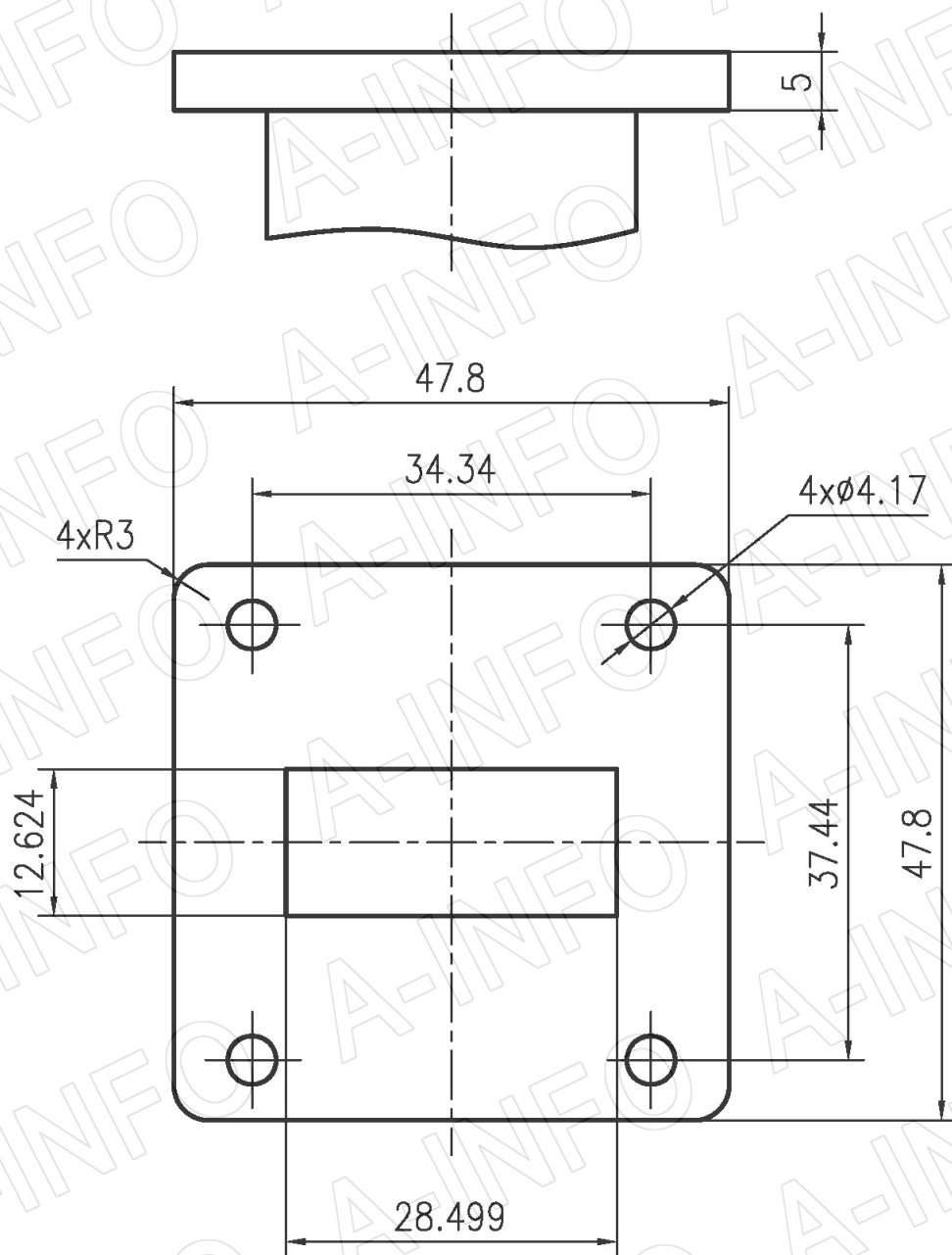
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N-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-112-10-C-MBL & LB-112-10-C-NFSPO, Outdoor Application)

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



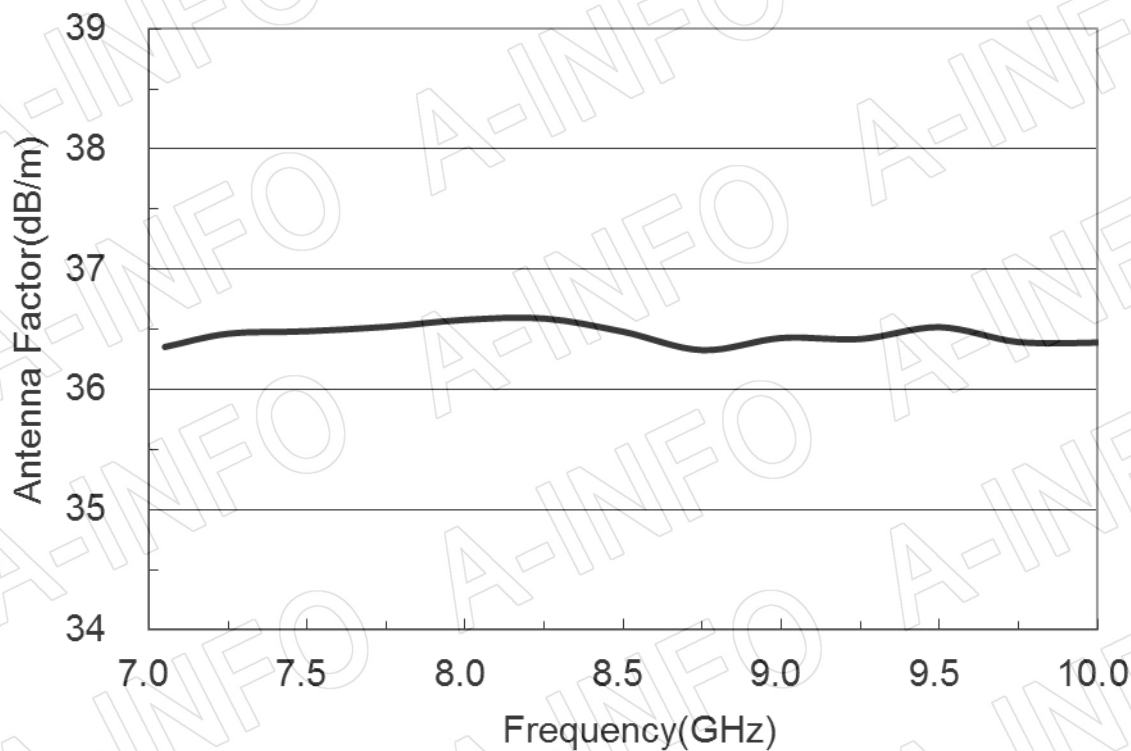
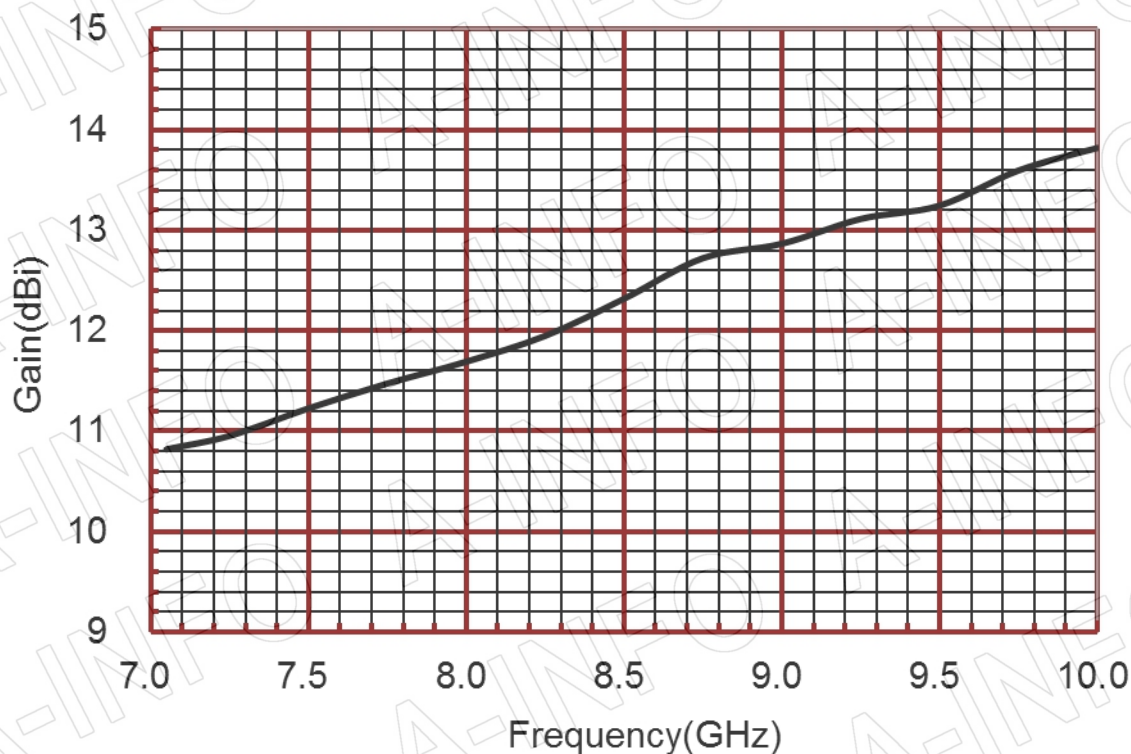
Flange Drawing (Size: mm)



FBP84

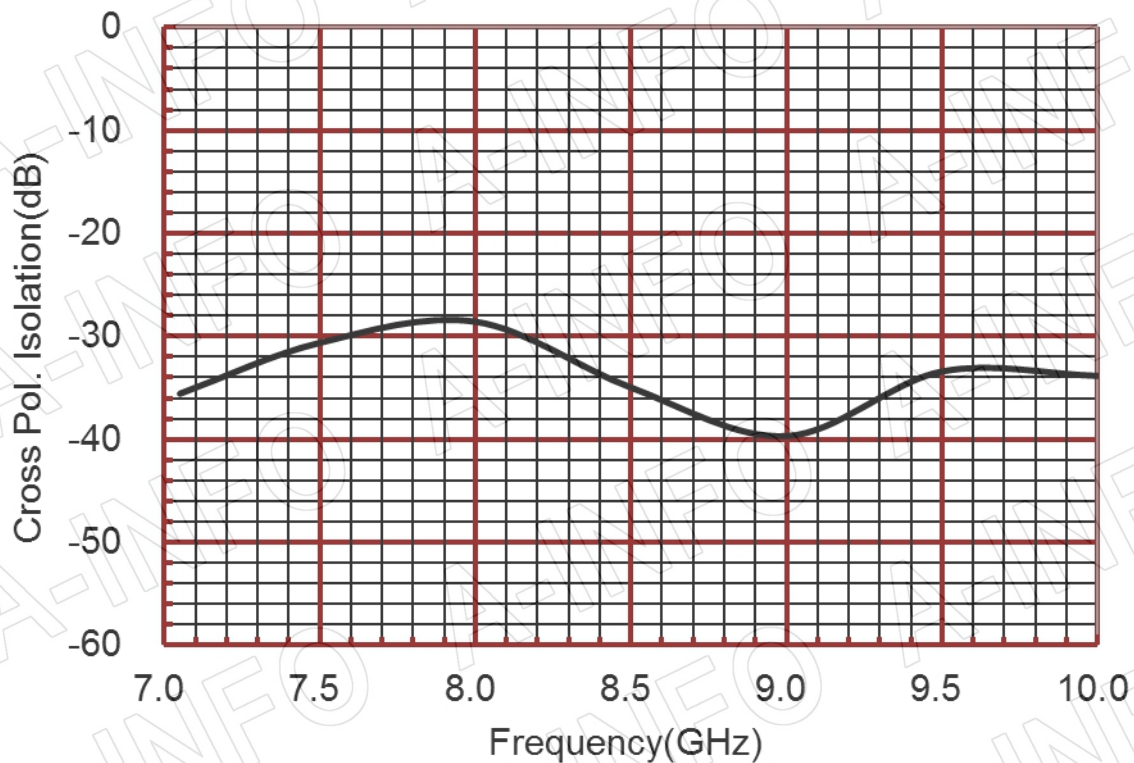
Test Results

1. Gain & Antenna Factor

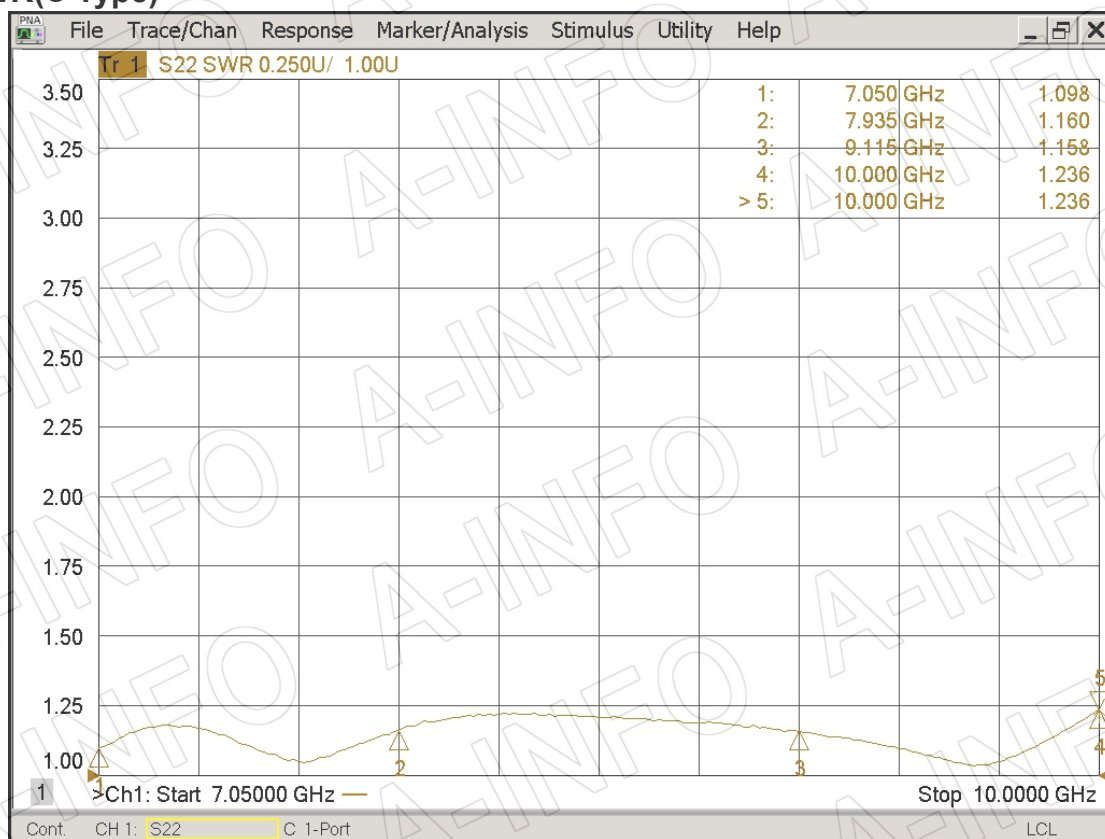


Frequency (GHz)	Gain (dBi)	Antenna Factor (dB/m)
7.05	10.82	36.35
7.25	10.95	36.46
7.50	11.23	36.48
7.75	11.47	36.52
8.00	11.69	36.58
8.25	11.95	36.59
8.50	12.32	36.48
8.75	12.72	36.33
9.00	12.87	36.43
9.25	13.11	36.42
9.50	13.25	36.52
9.75	13.60	36.39
10.00	13.82	36.39

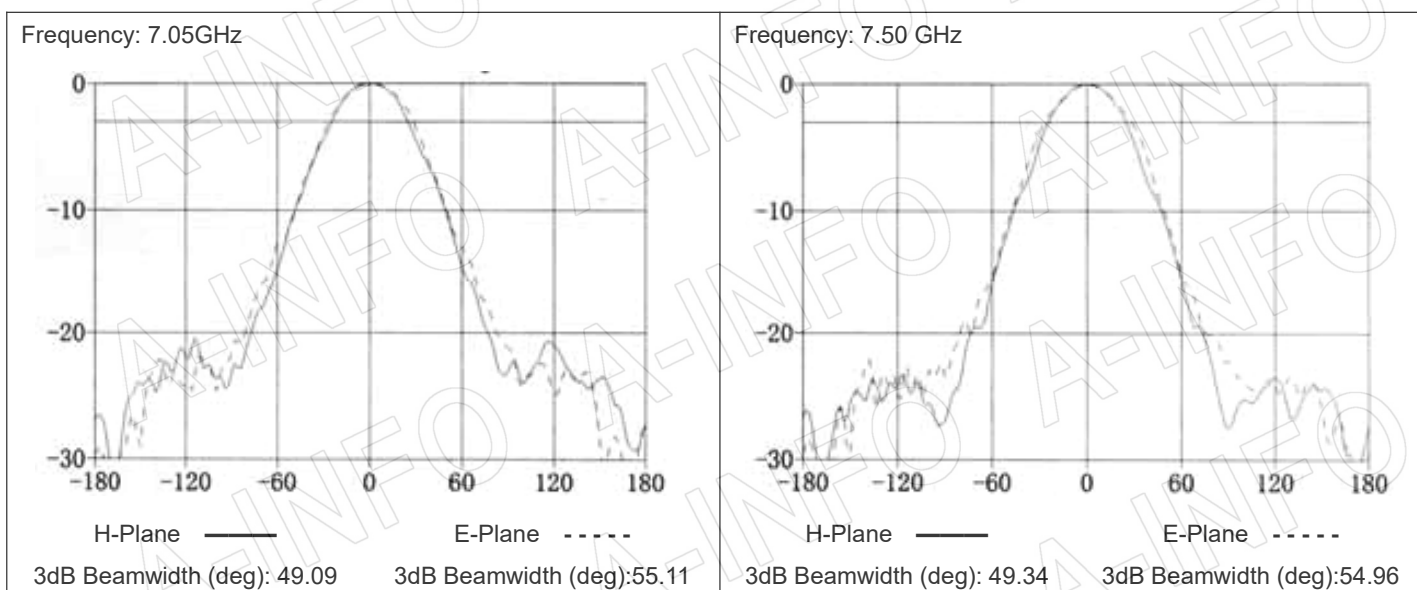
2. Cross Polarization Isolation



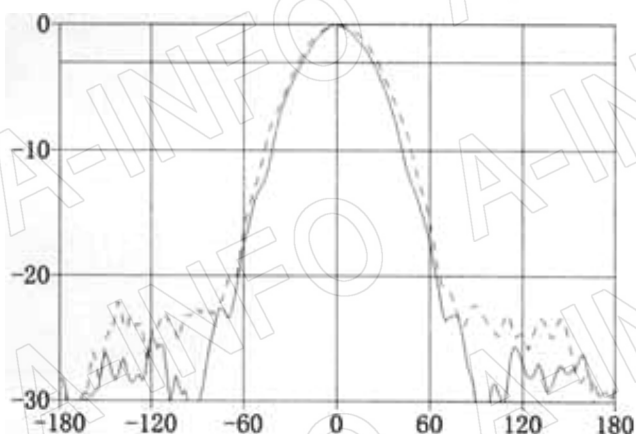
3. VSWR(C Type)



4. Pattern



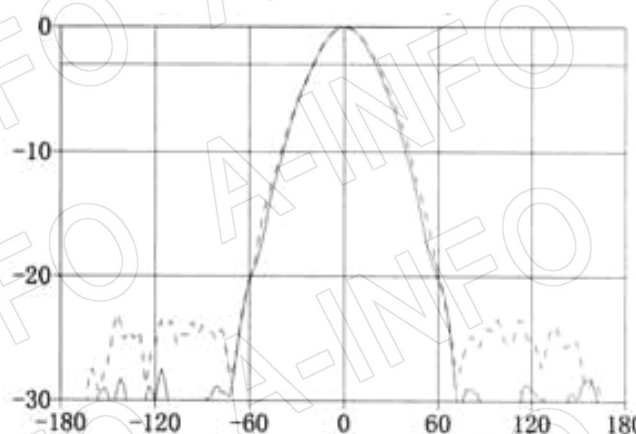
Frequency: 8.00 GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 45.51 3dB Beamwidth (deg): 50.97

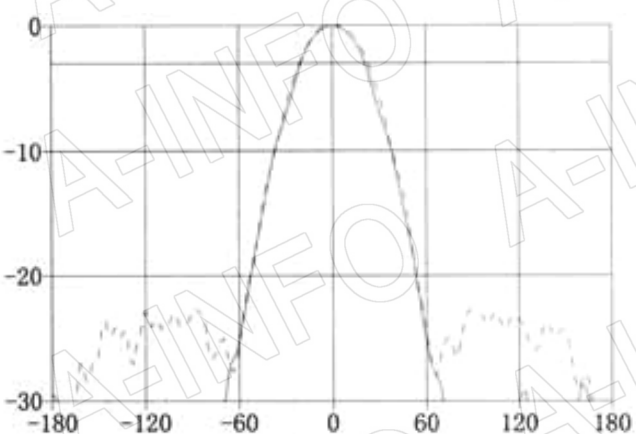
Frequency: 8.50 GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 39.64 3dB Beamwidth (deg): 40.52

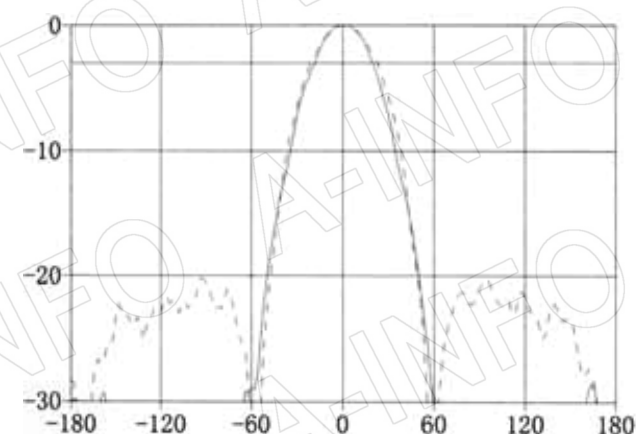
Frequency: 9.00 GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 40.90 3dB Beamwidth (deg): 43.40

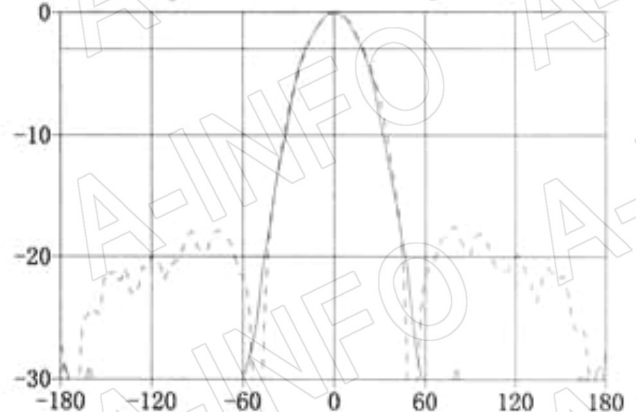
Frequency: 9.50GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 37.85 3dB Beamwidth (deg): 43.32

Frequency: 10.00GHz



H-Plane — E-Plane - - - -

3dB Beamwidth (deg): 37.11 3dB Beamwidth (deg): 37.05

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China(Chengdu):
USA :

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Tel: (+86) 28-8519-2786,
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(+86) 10-6266-7327
(+86) 28-8519-3044
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