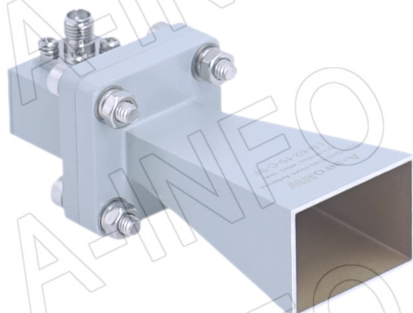


For reference only. See data sheet for the detailed specifications.

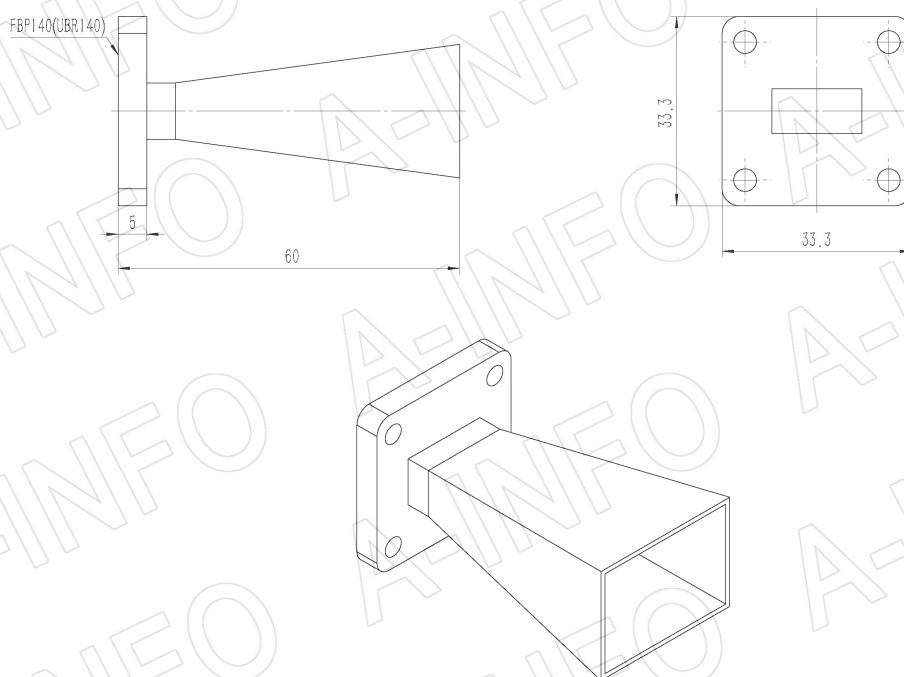
Technical Specification



Frequency Range(GHz)	12.4 - 18.0
Waveguide	WR62
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 49 Typ.
	H Plane: 44 Typ.
Cross Pol. Isolation(dB)	35 Typ.
VSWR	A Type: 1.15:1 Typ.
	C Type: 1.25:1 Typ.
Output	A Type: FBP140(UBR140)
	SMA -Female or N-Female
	C Type: or TNC-Female or 7mm or 3.5mm-Female
Material	Al
Finish	Chemical Conversion Coating, Gray Paint
Size(mm)	A Type: 33.3 x 33.3 x 60
	C Type: 33.3 x 34.9 x 87
Net Weight(Kg)	A Type: 0.05 Around
	C Type: 0.10 Around

Outline Drawing (Size: mm)

FBP140 Output (P/N: LB-62-10-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

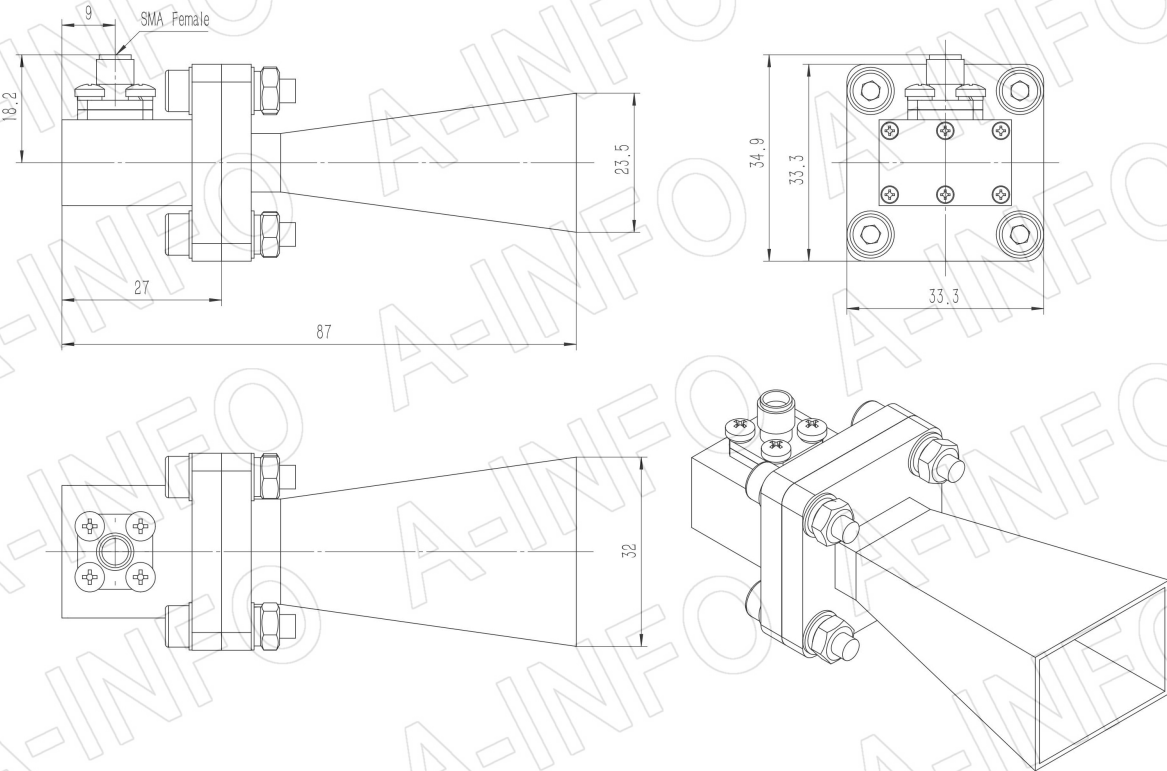
Page 1 of 11

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

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

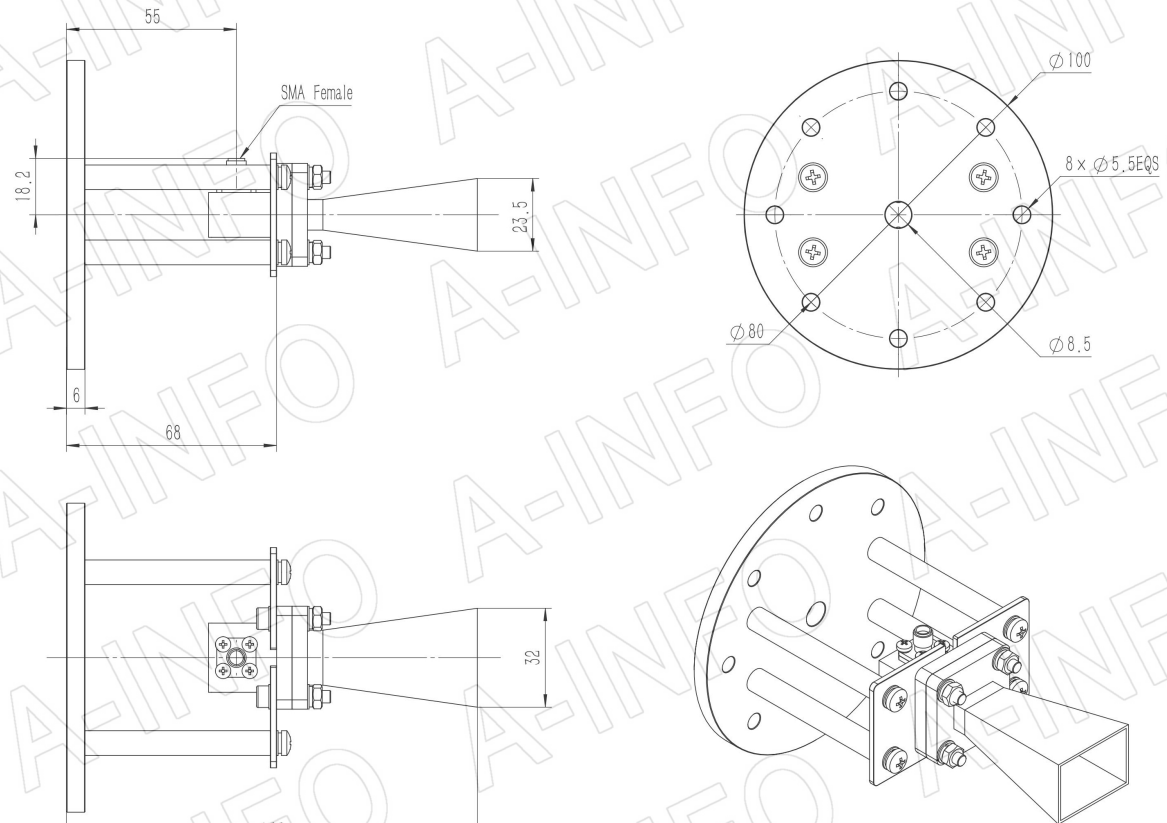
SMA-Female Output (P/N: LB-62-10-C-SF)

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



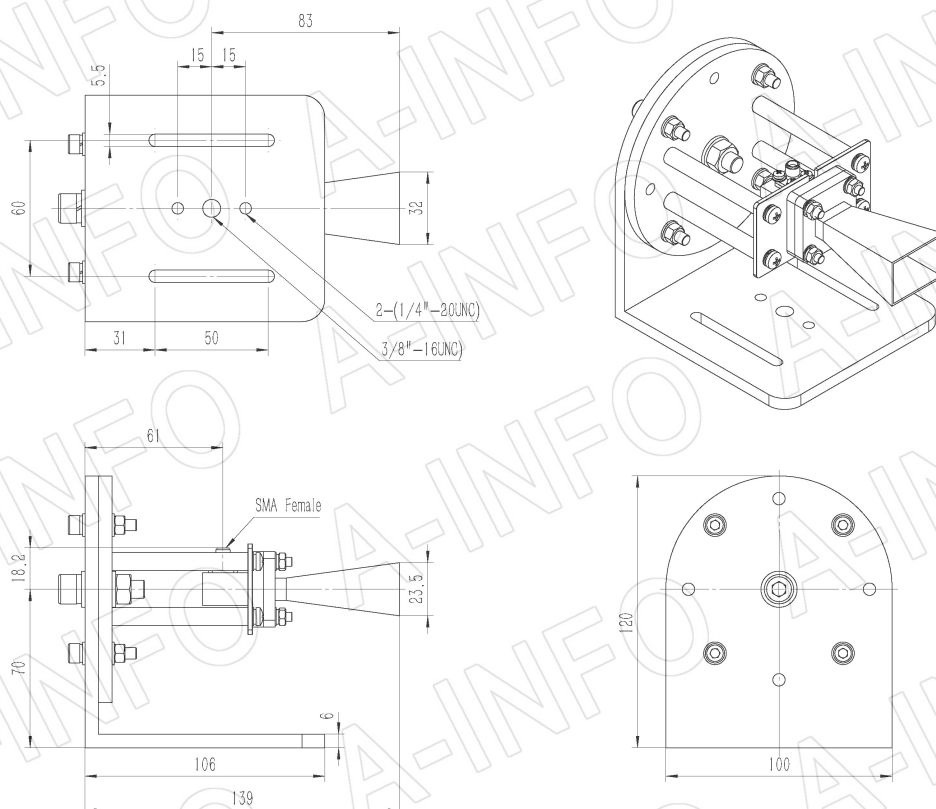
SMA-Female Output with Round Mounting Bracket (Option, P/N: LB-62-10-C-MB)

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

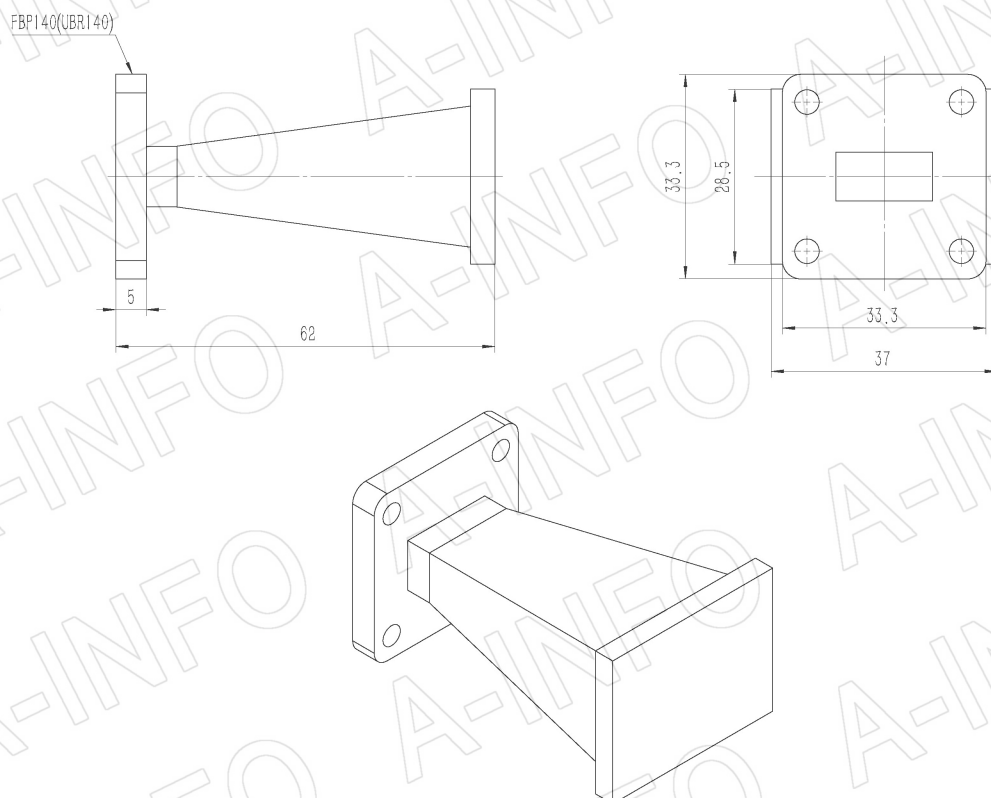


SMA-Female Output with L Type Mounting Bracket (Option, P/N: LB-62-10-C-MBL)

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

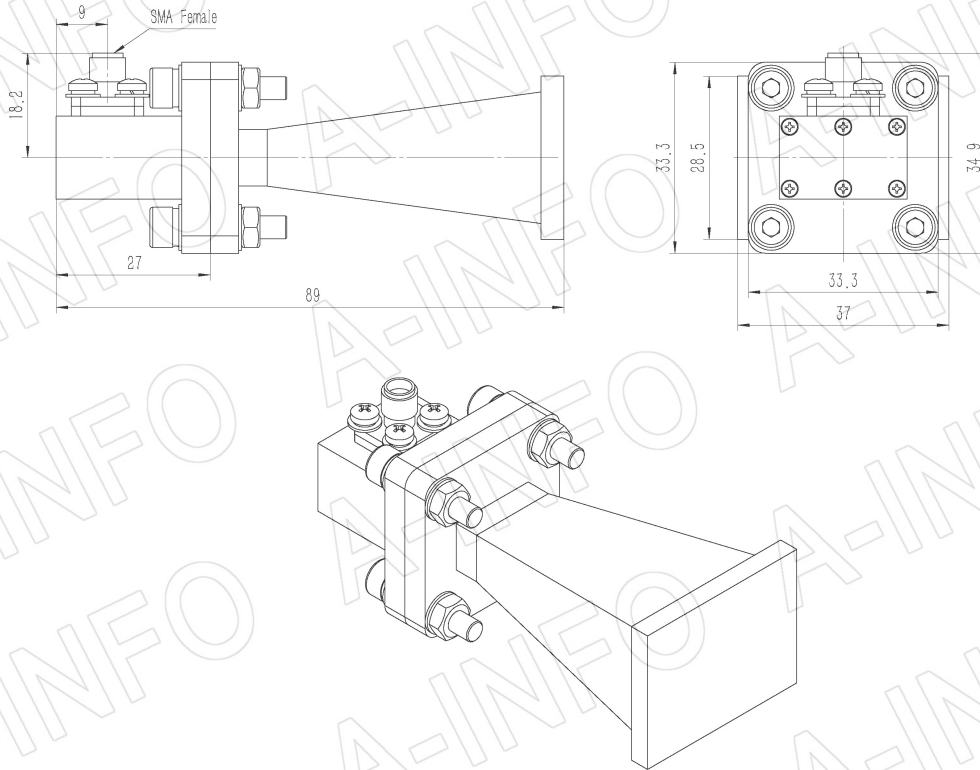


FBP140 Output With Radome (Option, P/N: LB-62-10-ASPO, Outdoor Application)



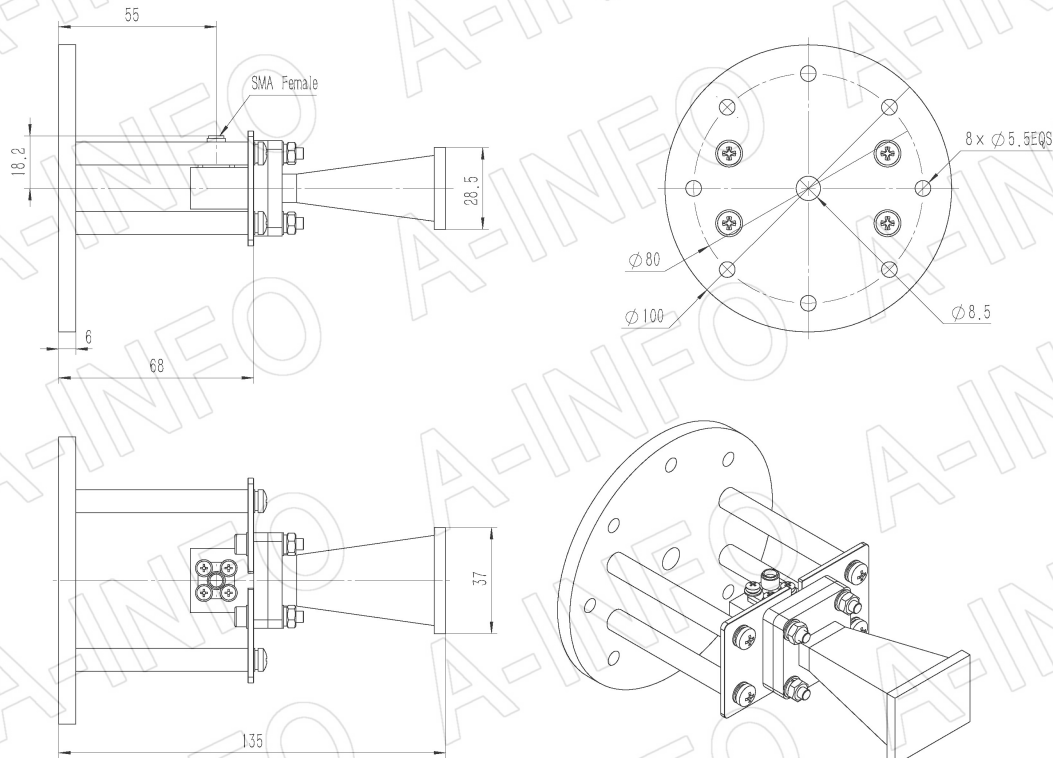
SMA-Female Output with Radome (Option, P/N: LB-62-10-C-SFSPO, Outdoor Application)

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



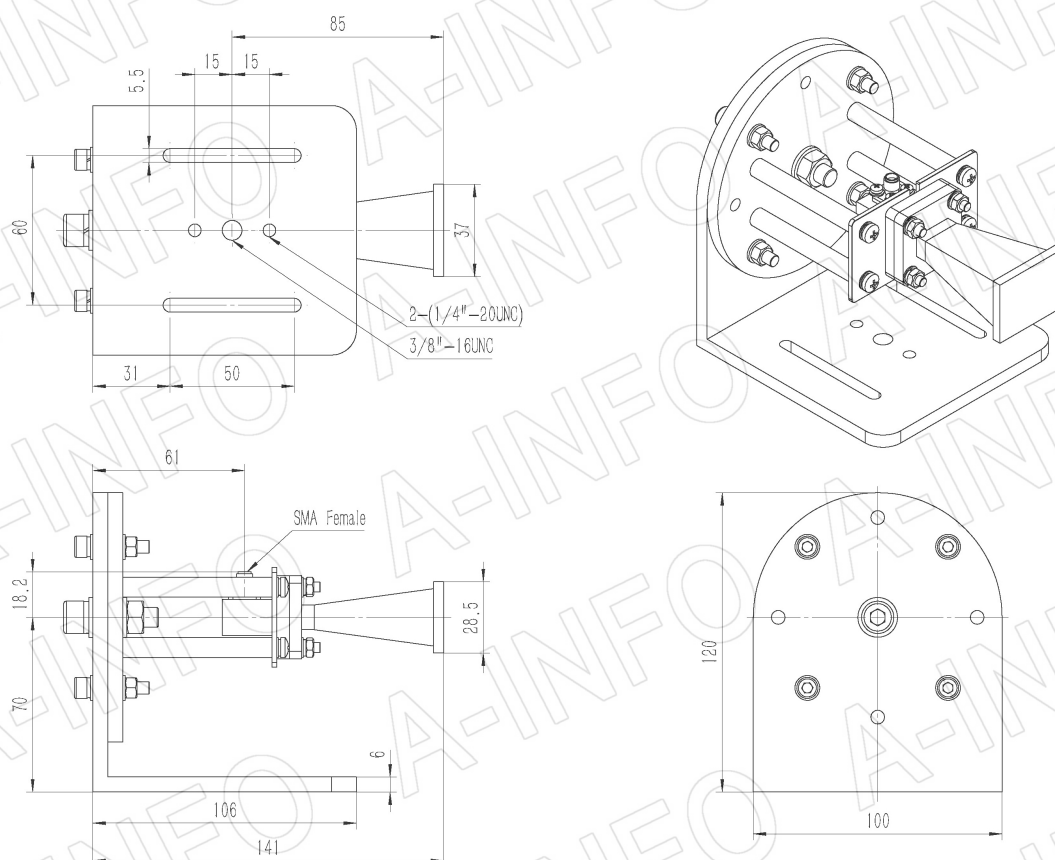
SMA-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-62-10-C-MB & LB-62-10-C-SFSPO, Outdoor Application)

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

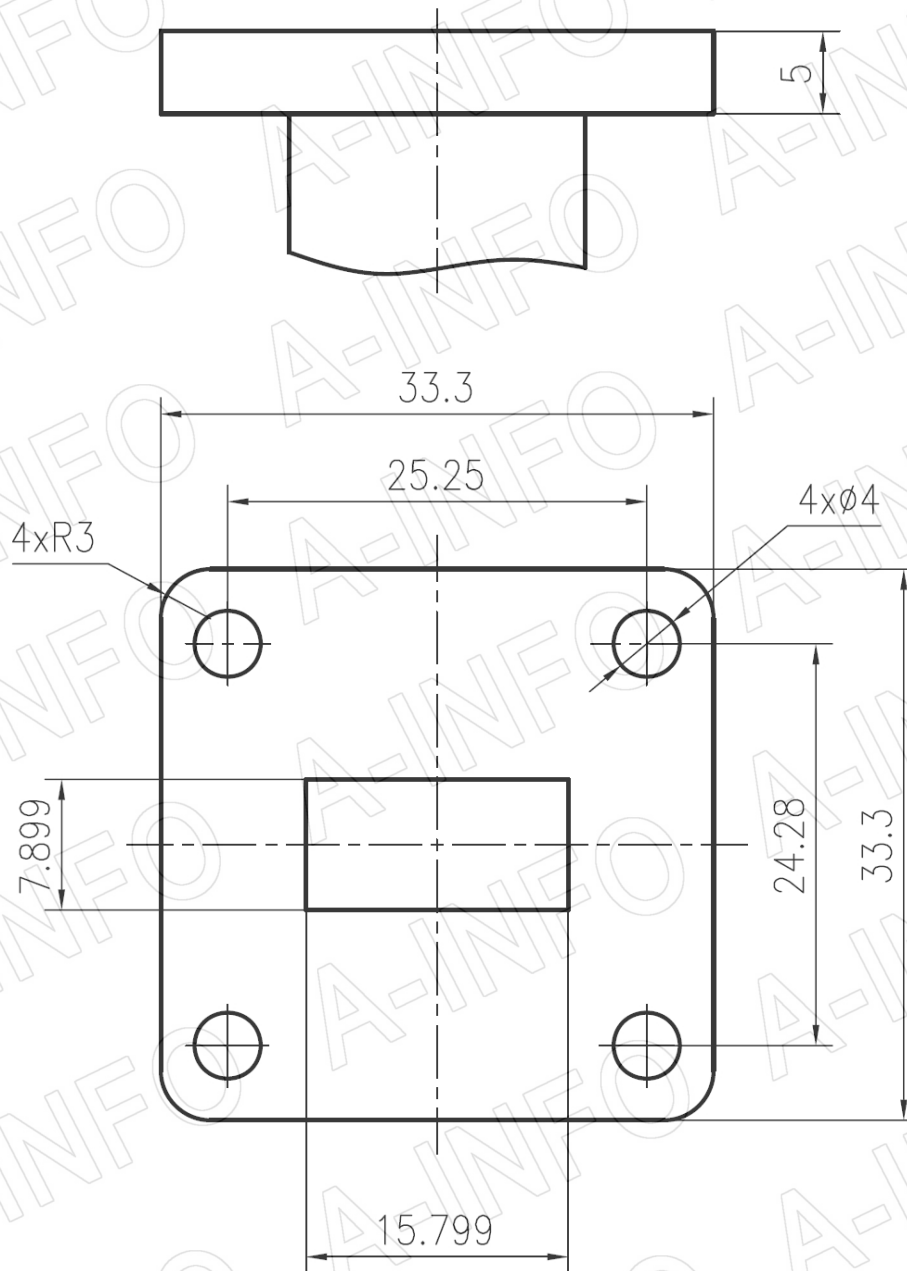


SMA-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-62-10-C-MBL & LB-62-10-C-SFSP0, Outdoor Application)

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



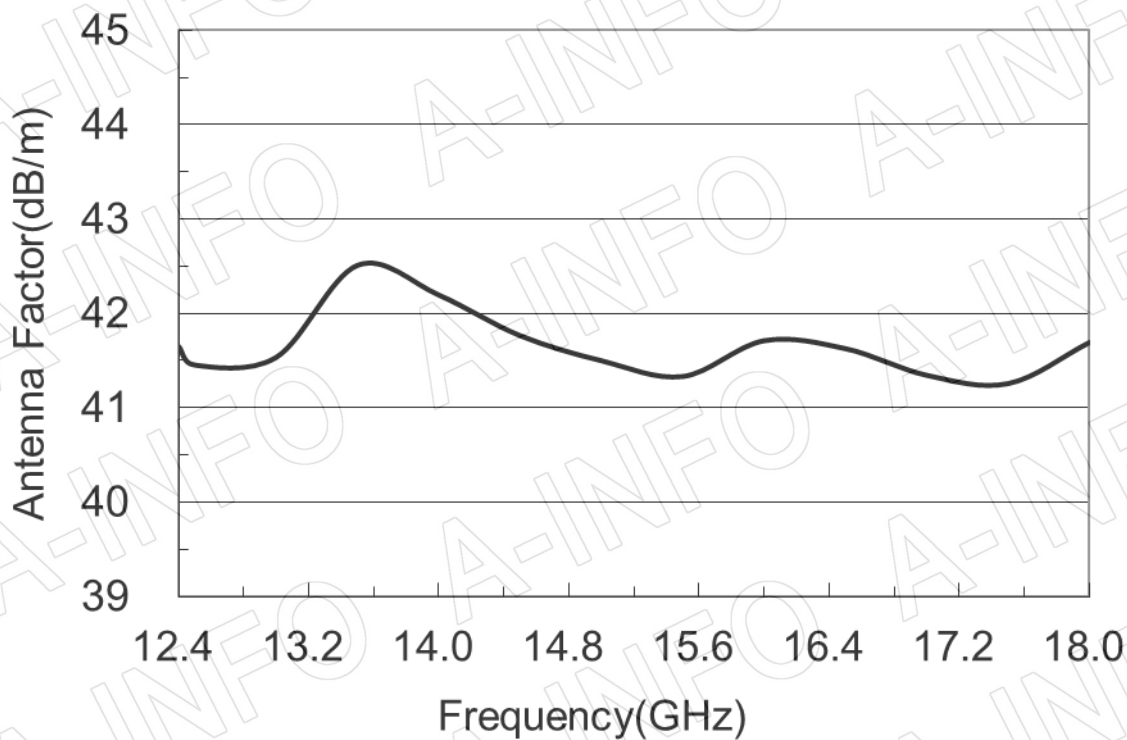
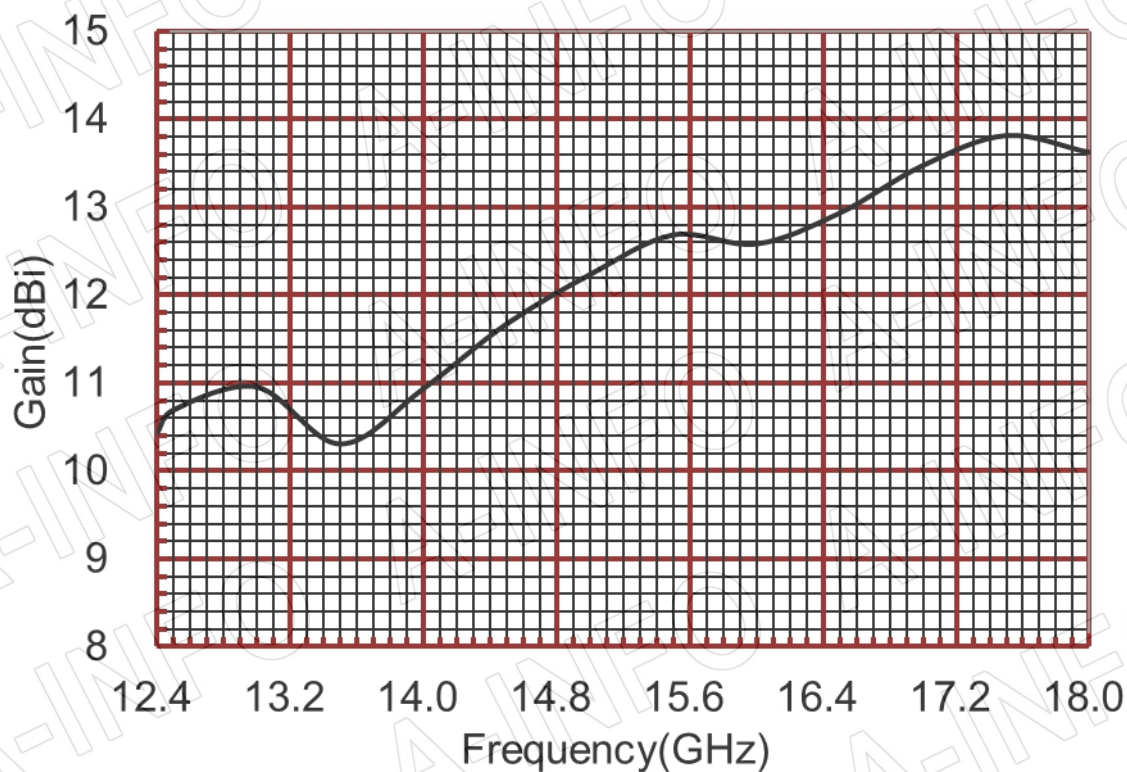
Flange Drawing (Size: mm)



FBP140

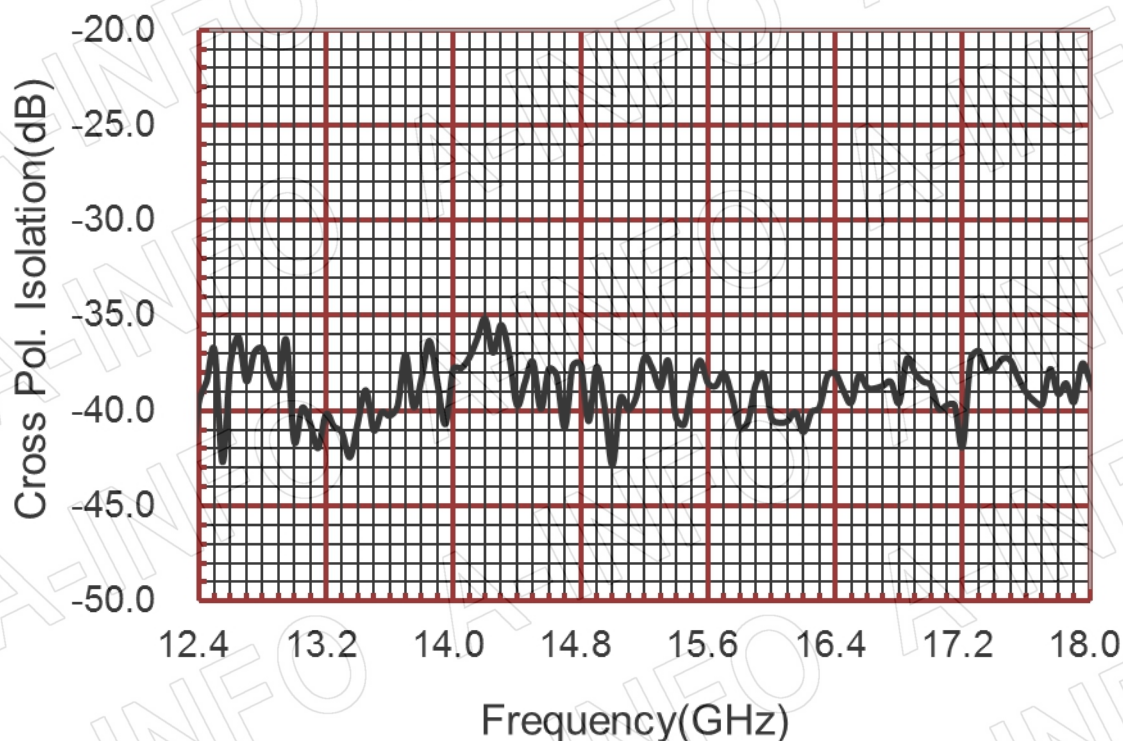
Test Results

1. Gain & Antenna Factor

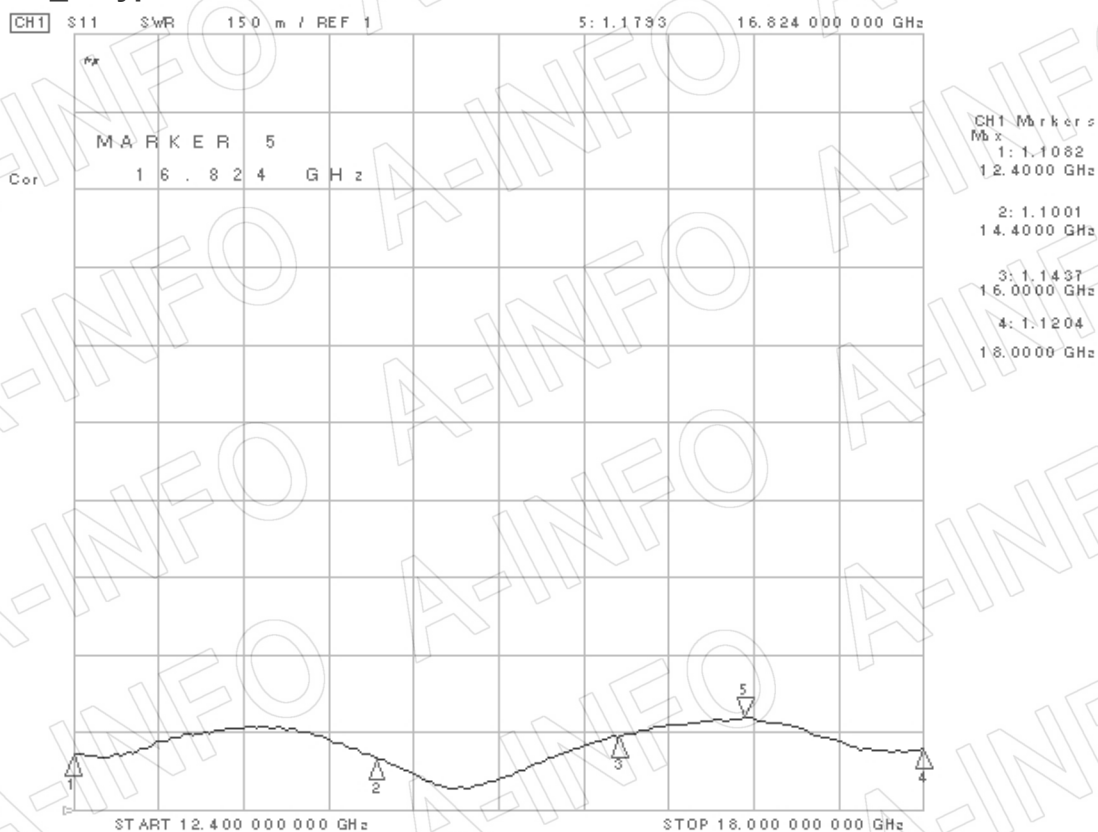


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
12.4	10.43	41.65
12.5	10.70	41.45
13.0	10.95	41.54
13.5	10.31	42.51
14.0	10.94	42.19
14.5	11.67	41.76
15.0	12.23	41.50
15.5	12.68	41.33
16.0	12.58	41.71
16.5	12.93	41.63
17.0	13.48	41.34
17.5	13.81	41.26
18.0	13.62	41.69

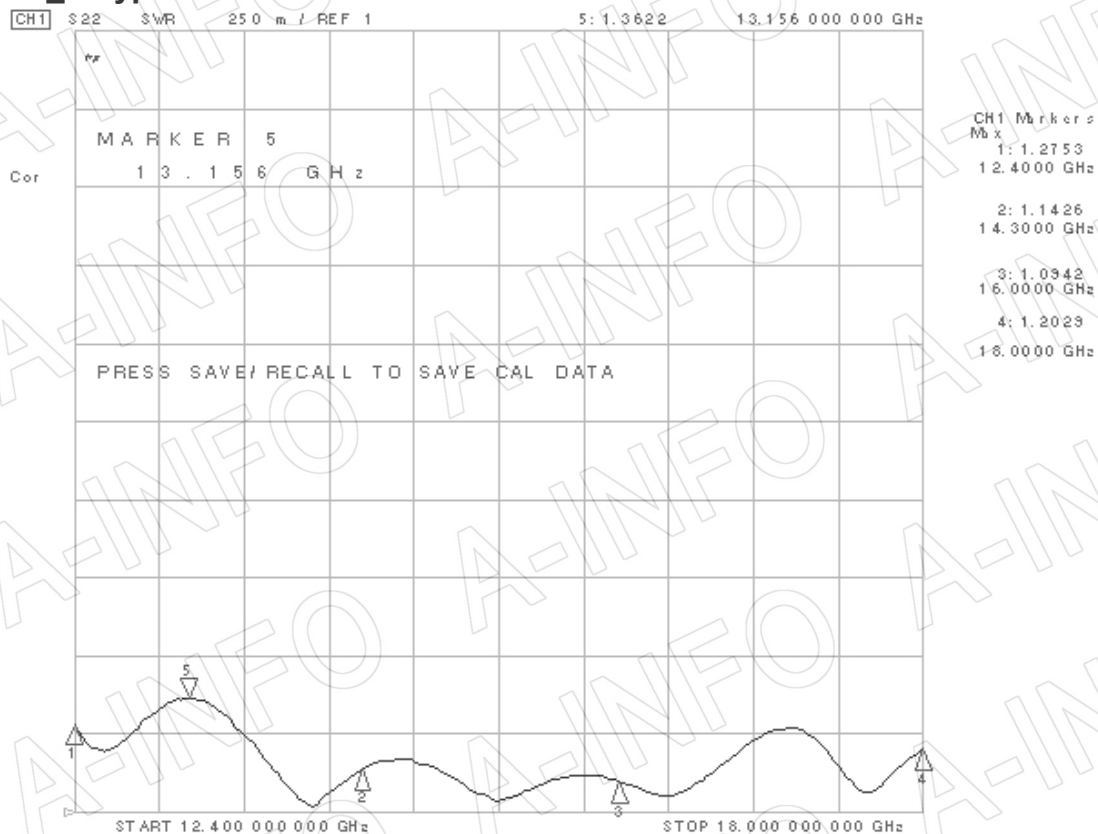
2. Cross Polarization Isolation



3. VSWR_A Type

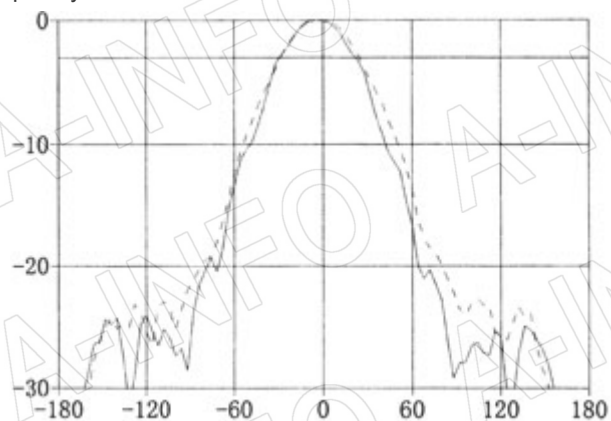


VSWR_C Type



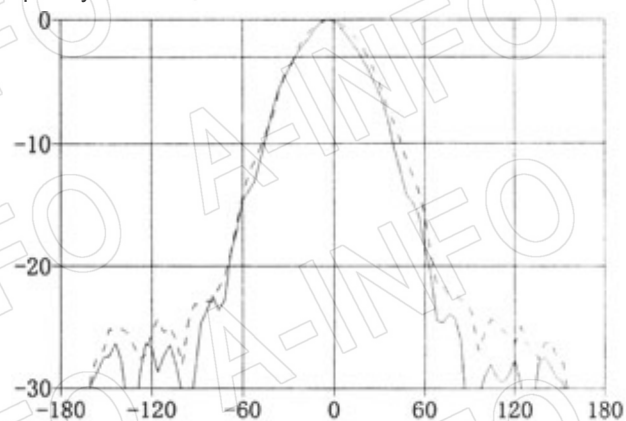
4. Pattern

Frequency: 12.4GHz



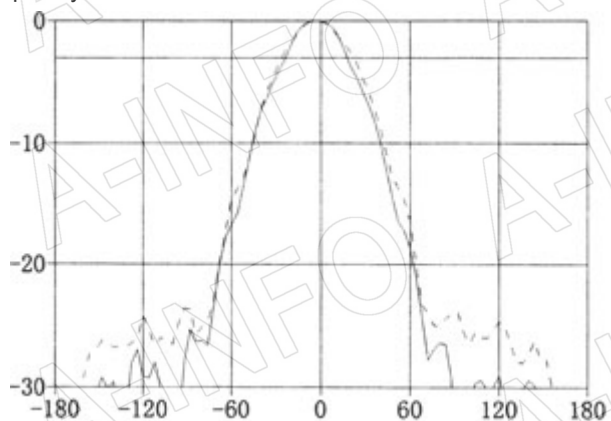
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 51.39 3dB Beamwidth (deg): 53.34

Frequency: 13.0GHz



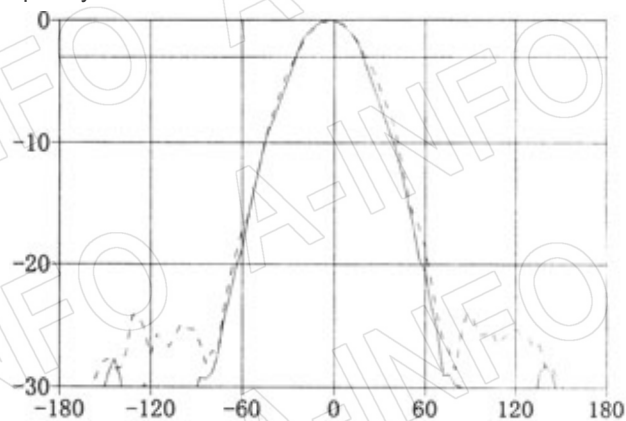
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 43.59 3dB Beamwidth (deg): 48.55

Frequency: 13.5GHz



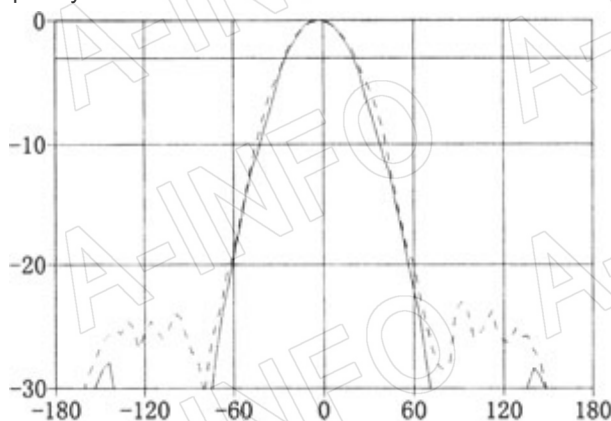
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 41.55 3dB Beamwidth (deg): 48.31

Frequency: 14.0GHz



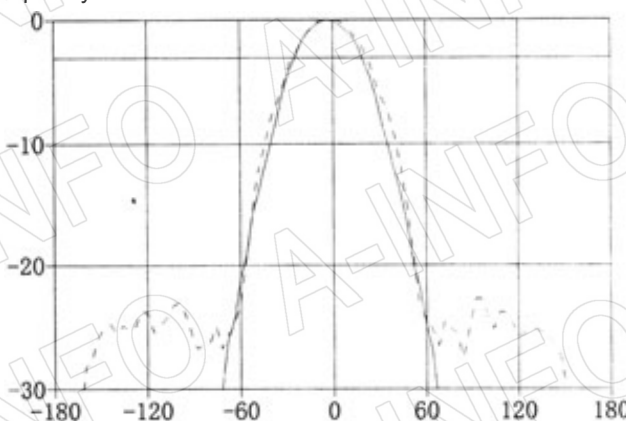
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 44.18 3dB Beamwidth (deg): 46.16

Frequency: 14.5GHz



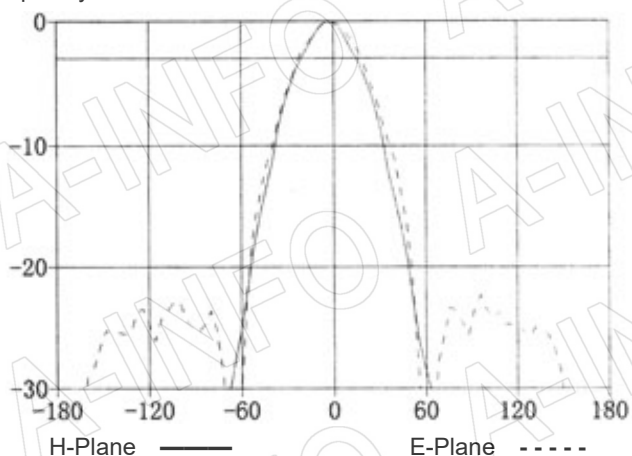
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 45.42 3dB Beamwidth (deg): 47.57

Frequency: 15.0GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 43.57 3dB Beamwidth (deg): 48.03

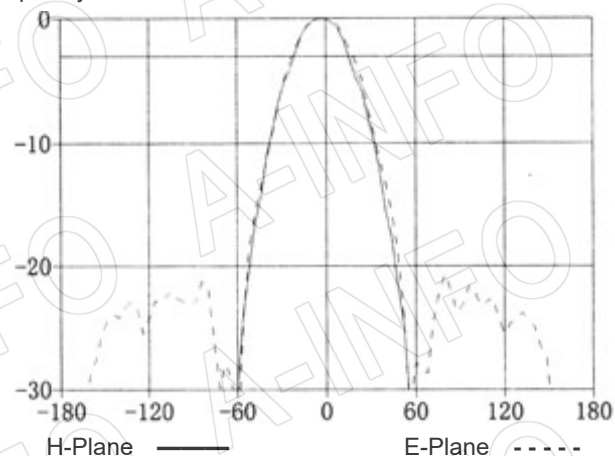
Frequency: 15.5GHz



3dB Beamwidth (deg): 35.70

3dB Beamwidth (deg): 40.75

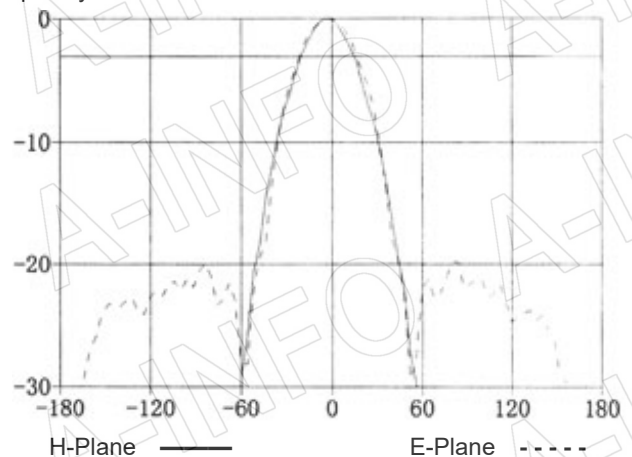
Frequency: 16.0GHz



3dB Beamwidth (deg): 36.41

3dB Beamwidth (deg): 40.83

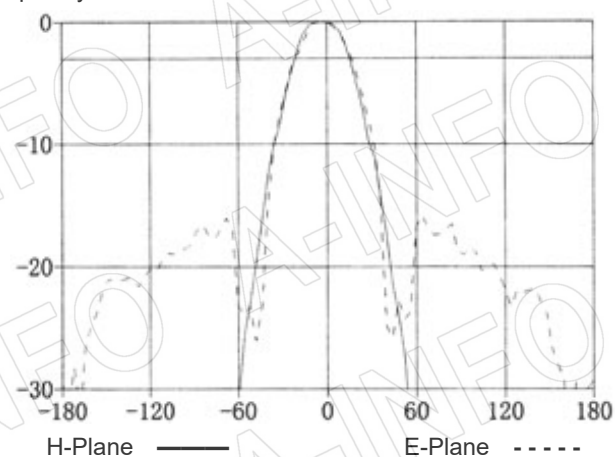
Frequency: 16.5GHz



3dB Beamwidth (deg): 35.17

3dB Beamwidth (deg): 38.01

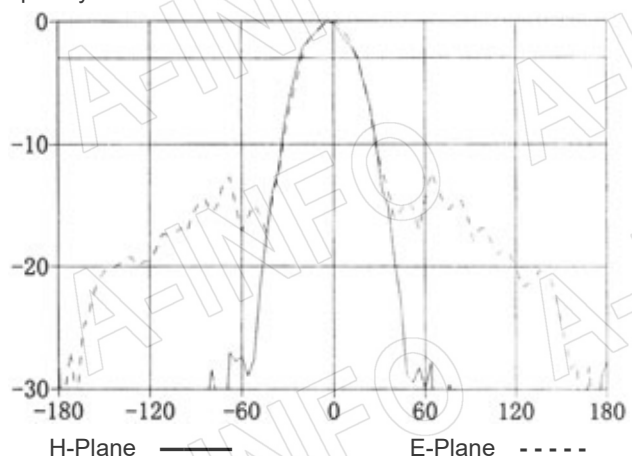
Frequency: 17.0GHz



3dB Beamwidth (deg): 36.69

3dB Beamwidth (deg): 37.71

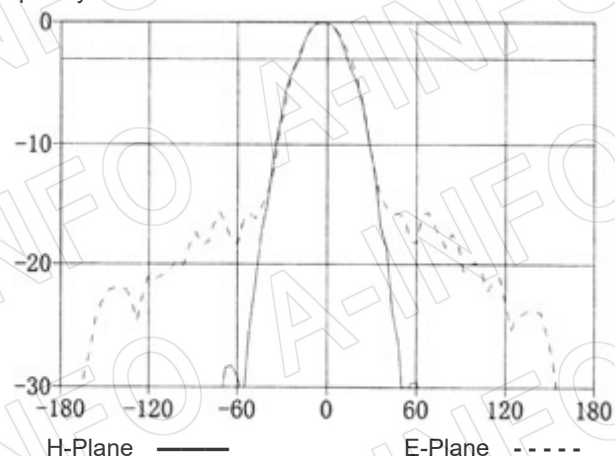
Frequency: 17.5GHz



3dB Beamwidth (deg): 38.01

3dB Beamwidth (deg): 35.82

Frequency: 18.0GHz



3dB Beamwidth (deg): 32.75

3dB Beamwidth (deg): 36.18