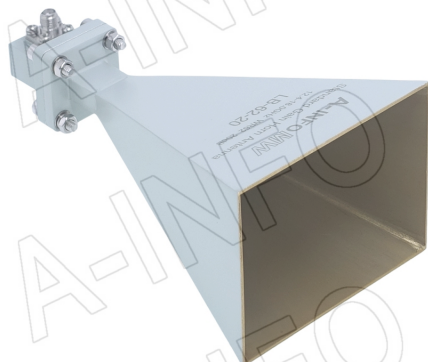


For reference only. See data sheet for the detailed specifications.

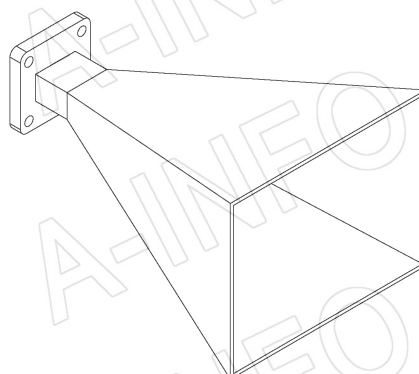
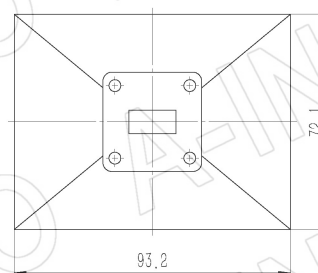
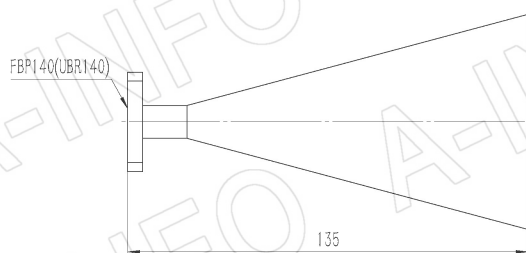
Technical Specification



Frequency Range(GHz)	12.4 – 18.0
Waveguide	WR62
Gain(dBi)	20 Typ.
Polarization	Linear
3dB Beamwidth(deg)	E Plane: 14 Typ.
	H Plane: 16 Typ.
Cross Pol. Isolation(dB)	40 Typ.
VSWR	A Type: 1.10:1 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: 93.2 x 72.1 x 135
	C Type: 93.2 x 72.1 x 162
Net Weight(Kg)	A Type: 0.10 Around
	C Type: 0.15 Around

Outline Drawing (Size: mm)

FBP140 Output (P/N: LB-62-20-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

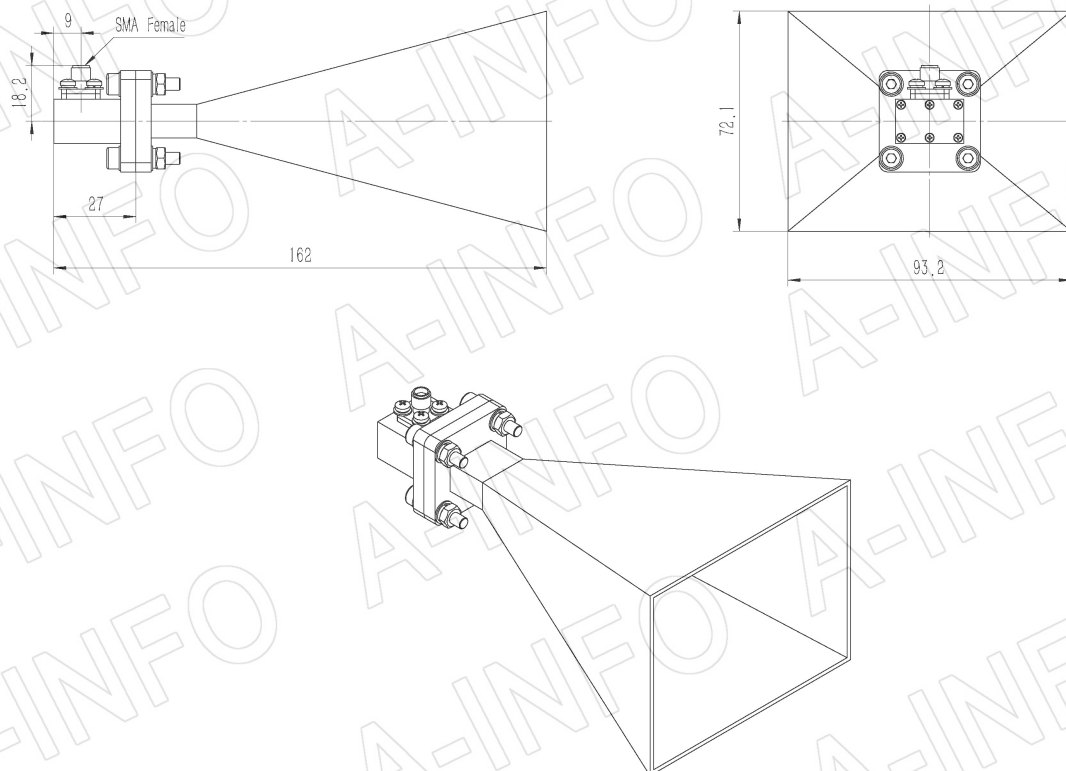
Page 1 of 11

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

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

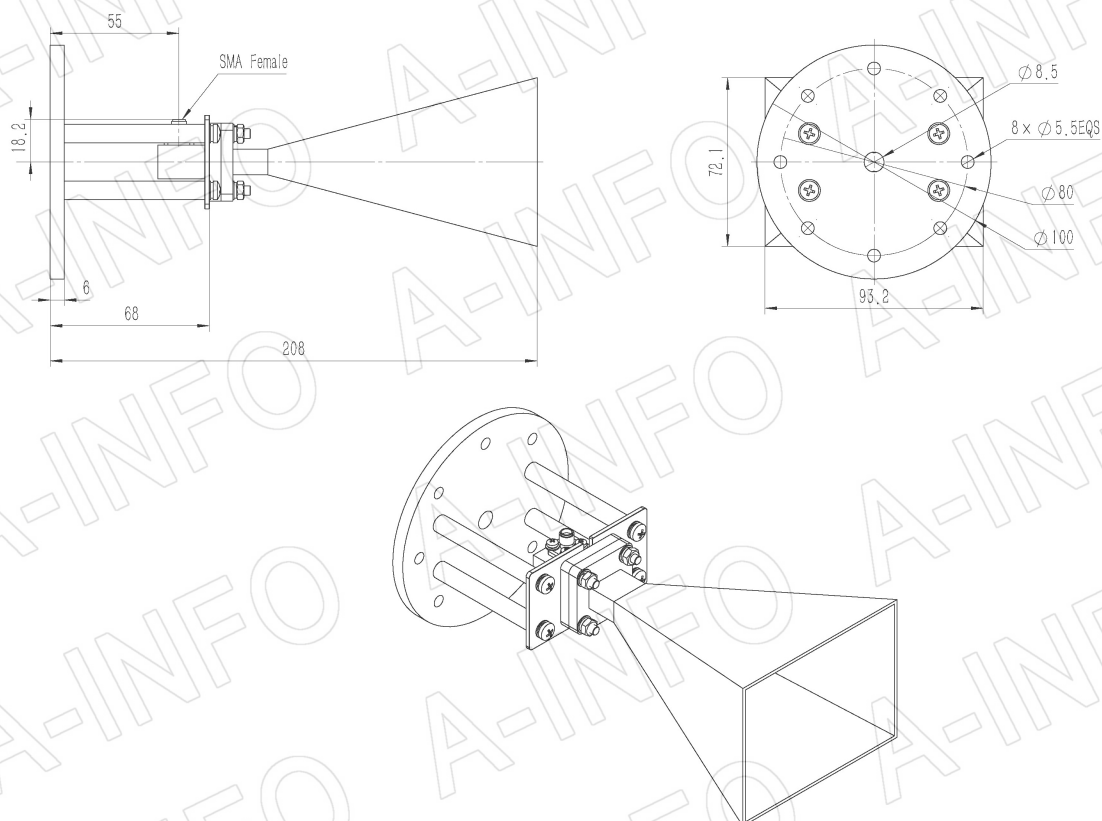
SMA-Female Output (P/N: LB-62-20-C-SF)

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



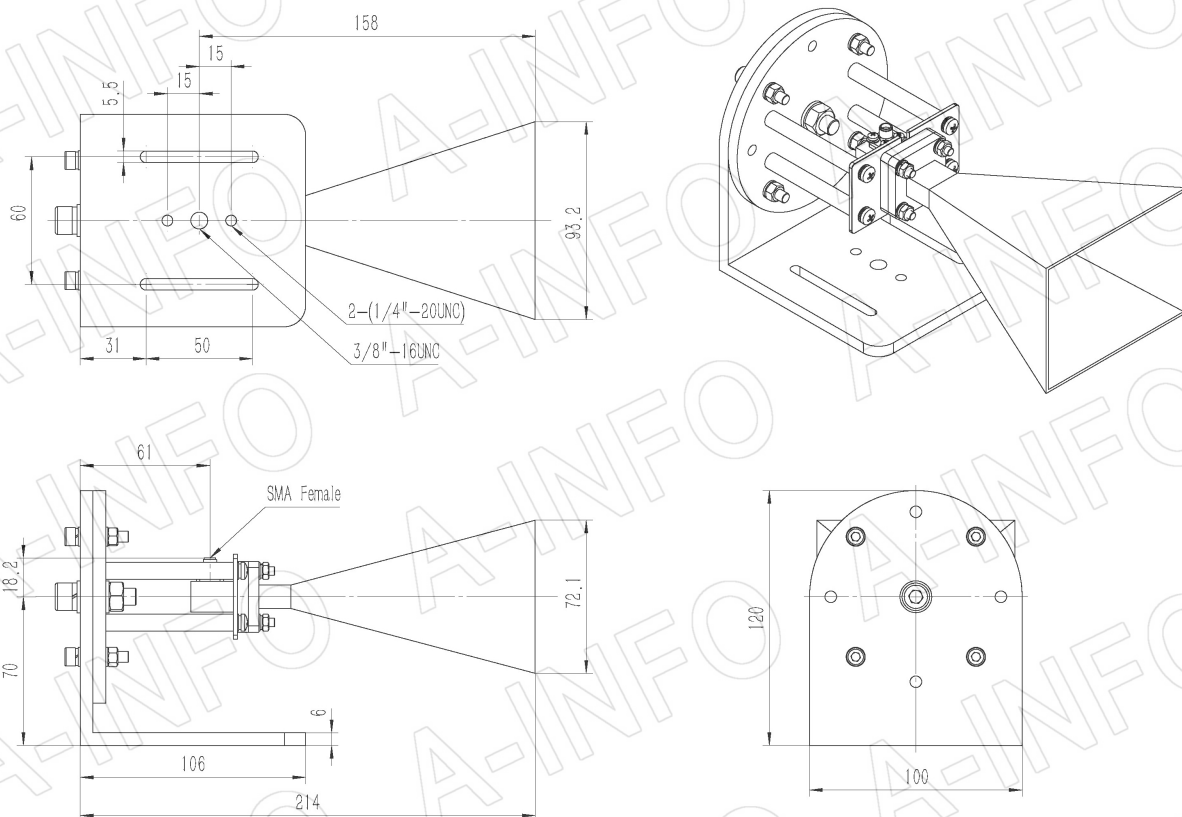
SMA-Female Output with Round Mounting Bracket (Option, P/N: LB-62-10-C-MB)

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

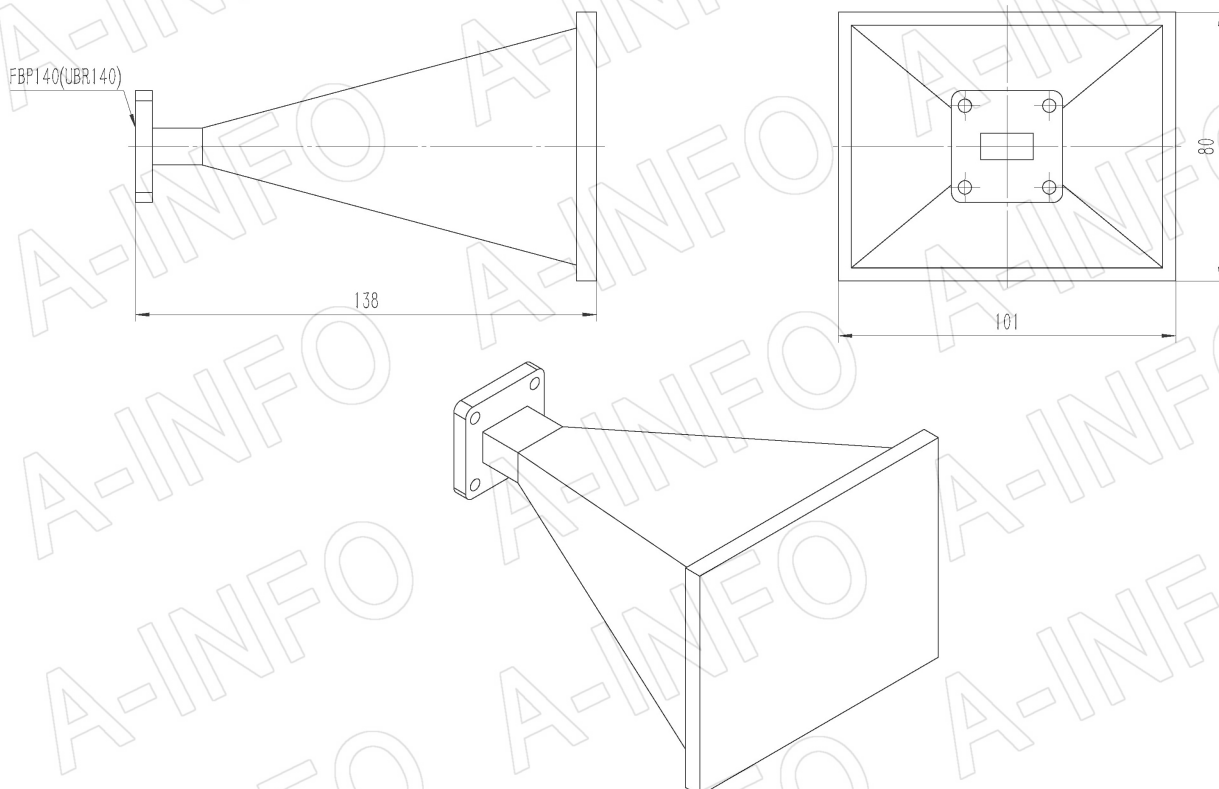


SMA-Female Output with L Type Mounting Bracket (Option, P/N: LB-62-10-C-MBL)

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

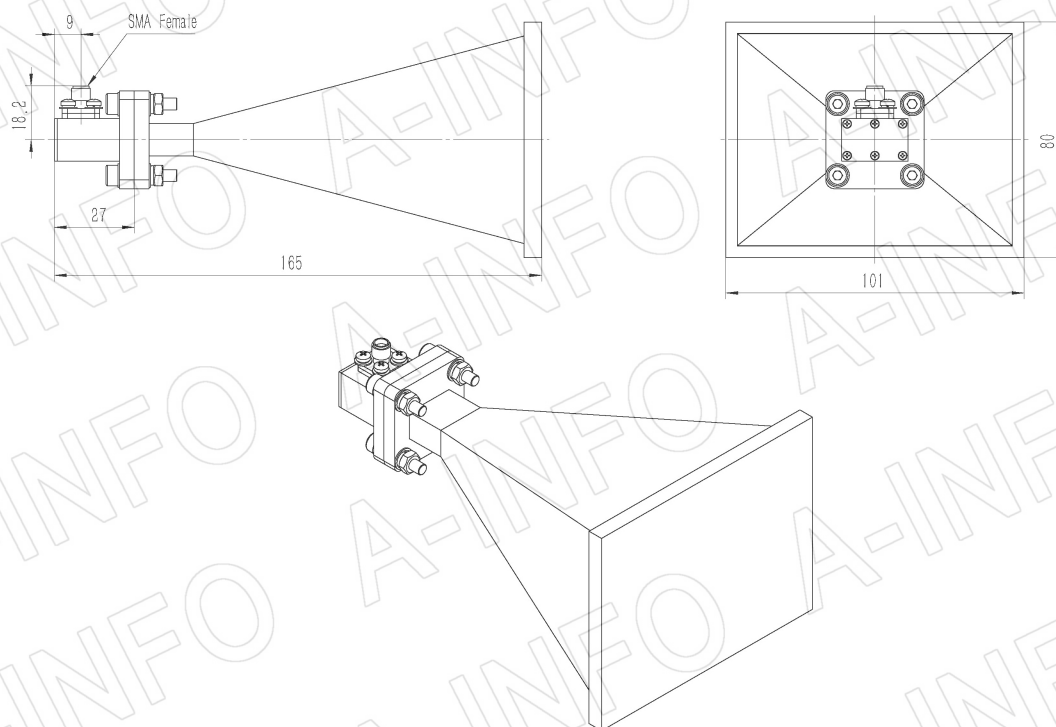


FBP140 Output with Radome (Option, P/N: LB-62-20-ASPO, Outdoor Application)



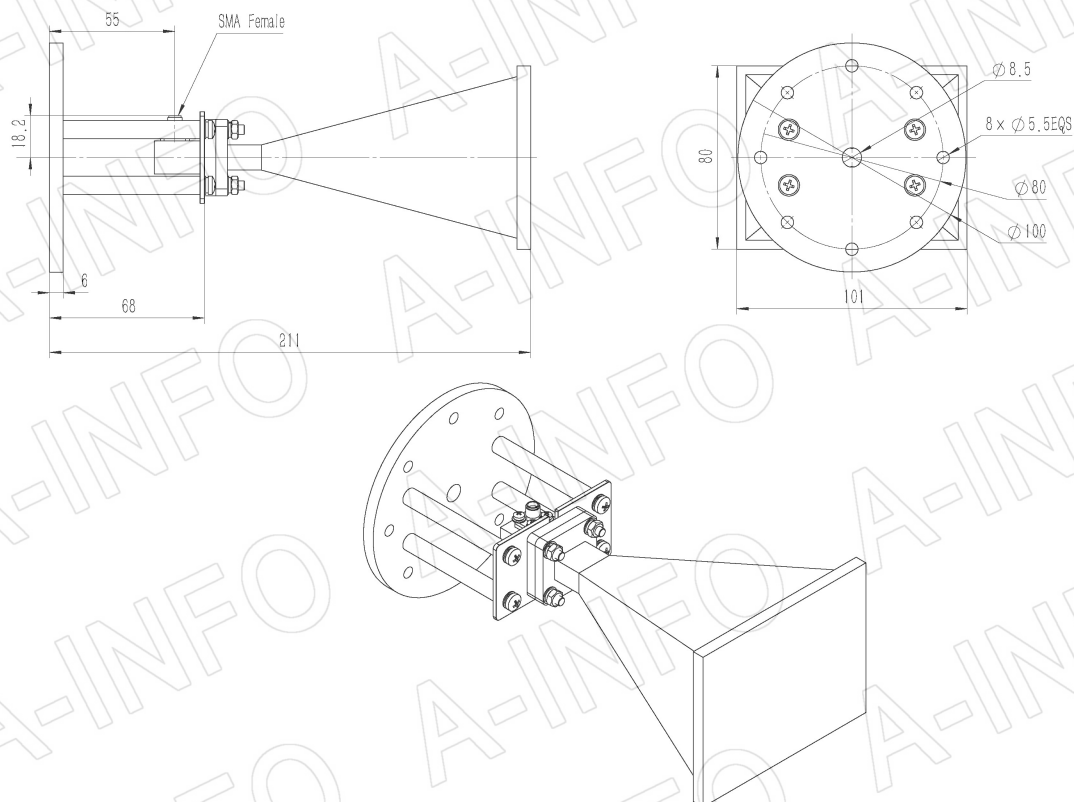
SMA-Female Output with Radome (Option, P/N: LB-62-20-C-SFSP0, Outdoor Application)

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



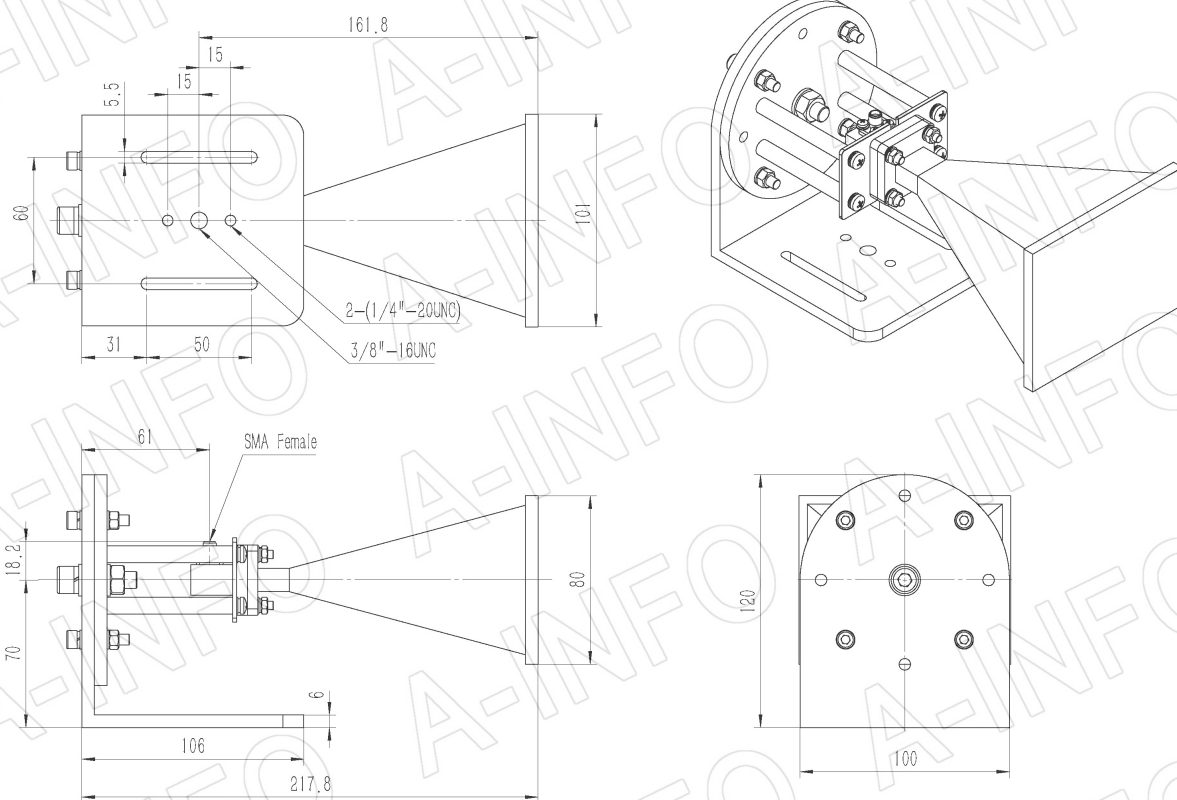
SMA-Female Output with Round Mounting Bracket & Radome (Option, P/N: LB-62-10-C-MB & LB-62-20-C-SFSP0, Outdoor Application)

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

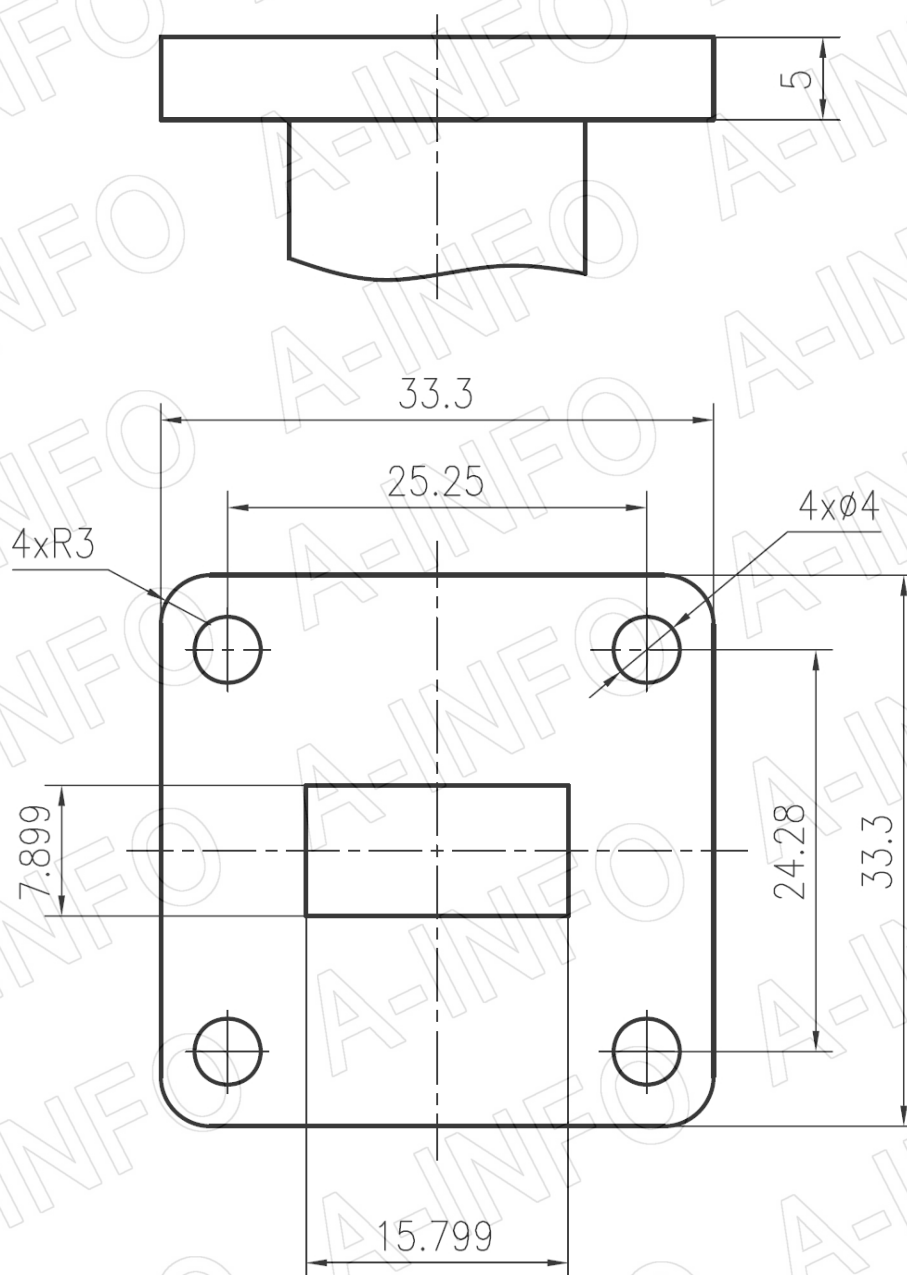


SMA-Female Output with L Type Mounting Bracket & Radome (Option, P/N: LB-62-10-C-MBL & LB-62-20-C-SFSP0, Outdoor Application)

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



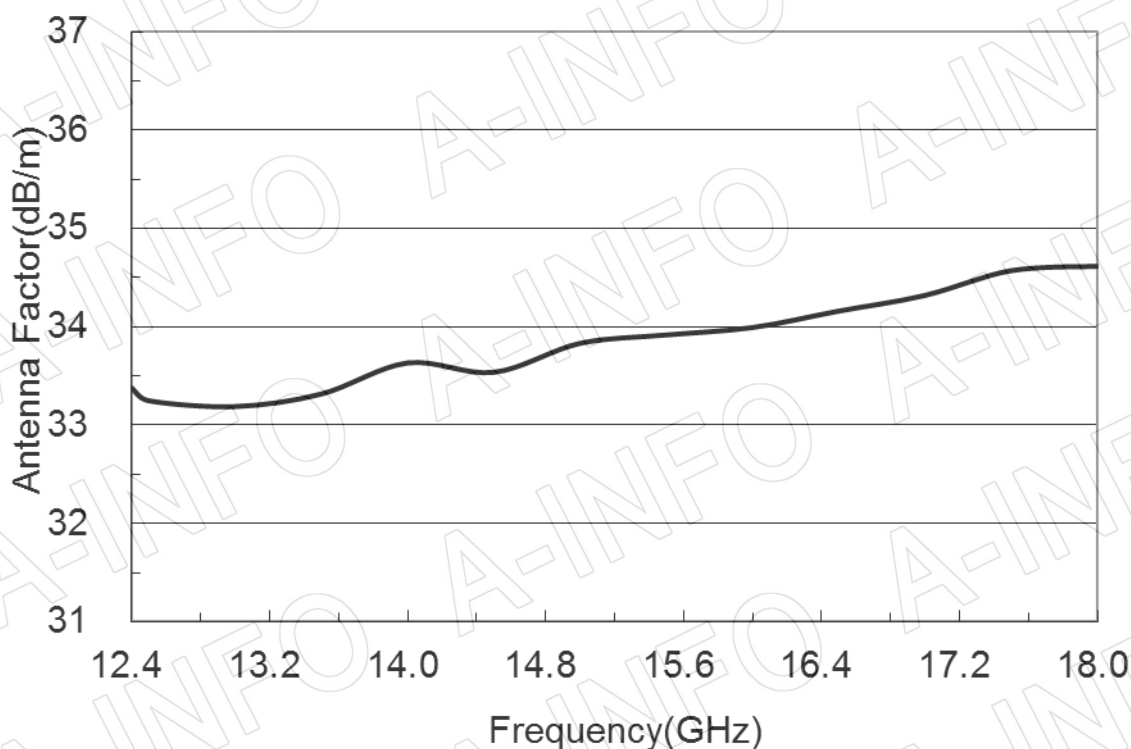
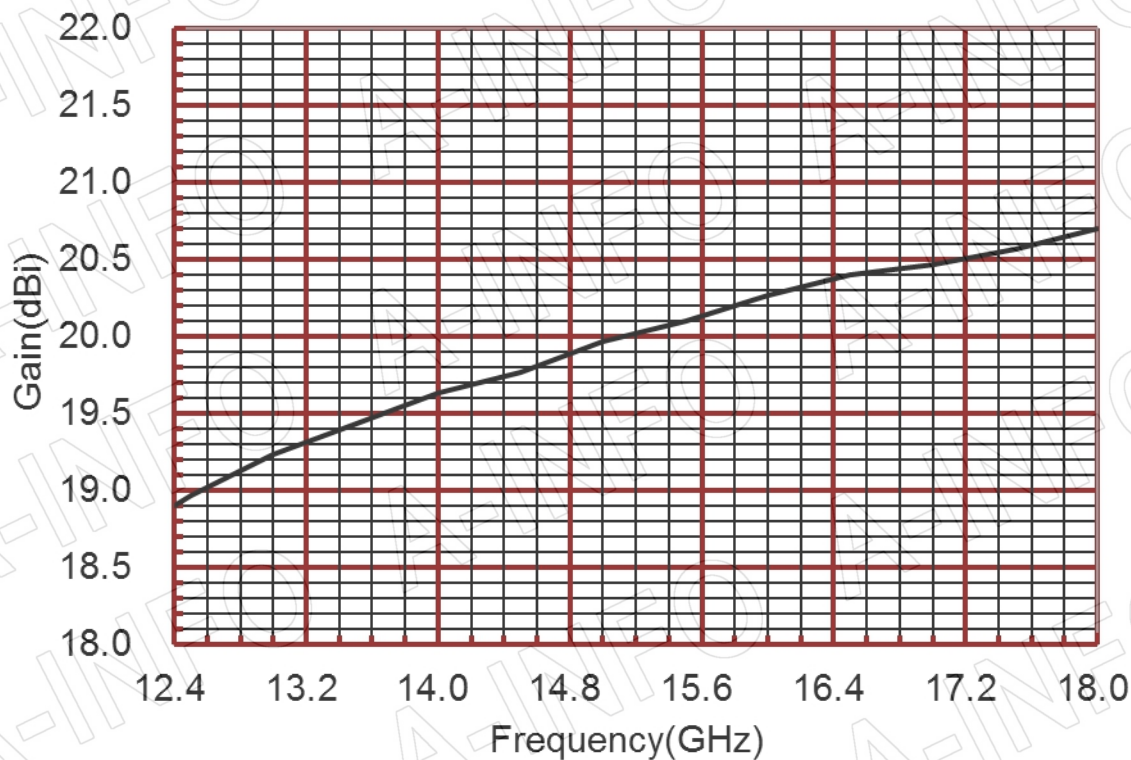
Flange Drawing (Size: mm)



FBP140

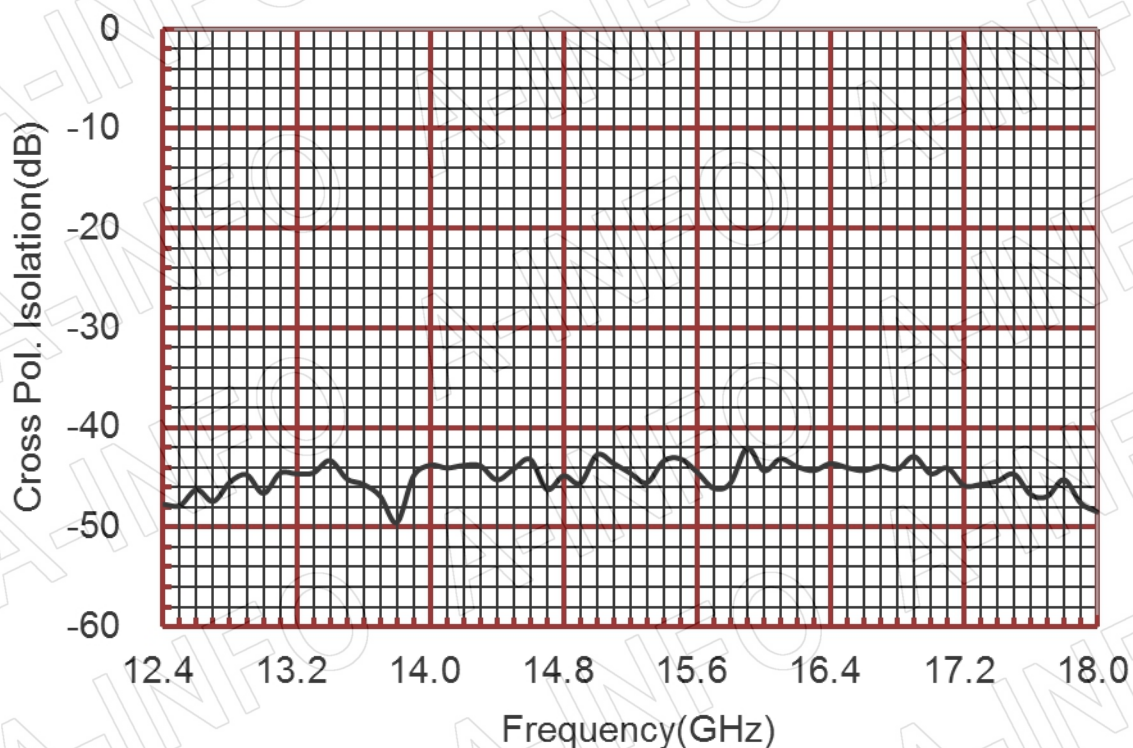
Test Results

1. Gain & Antenna Factor

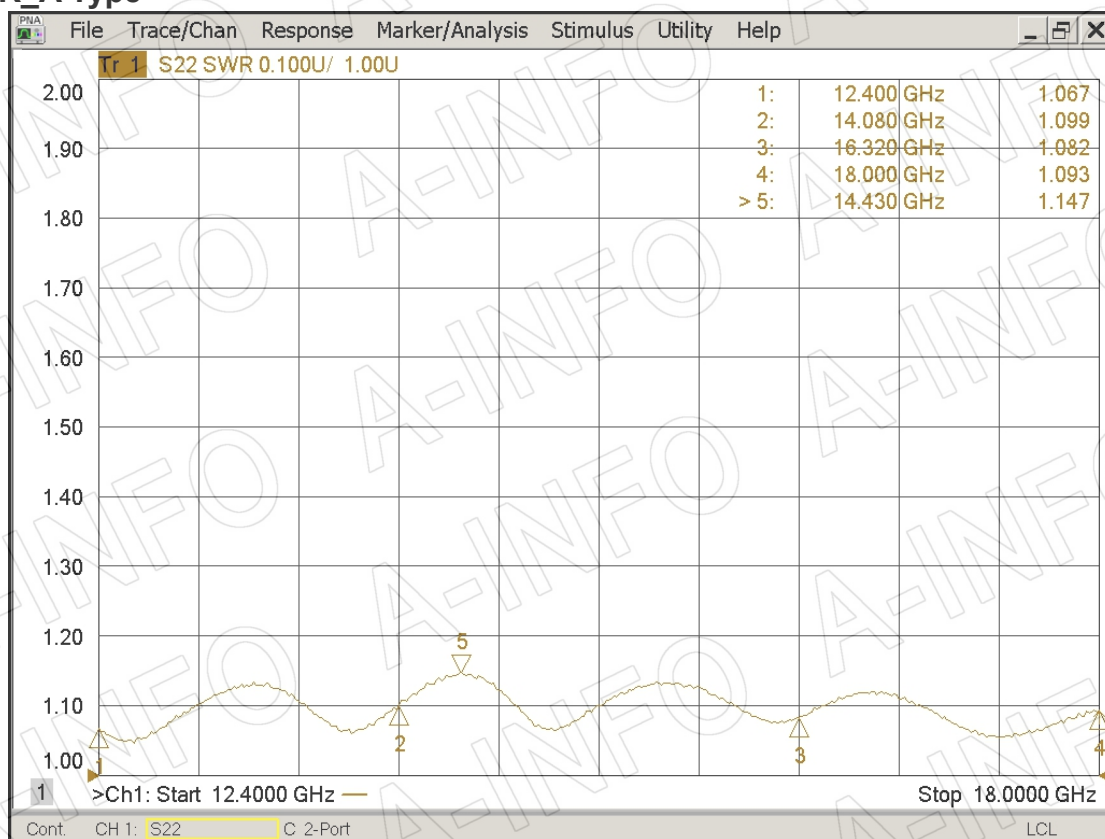


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
12.4	18.90	33.38
12.5	18.97	33.25
13.0	19.23	33.19
13.5	19.43	33.32
14.0	19.63	33.63
14.5	19.77	33.54
15.0	19.97	33.83
15.5	20.10	33.92
16.0	20.27	33.99
16.5	20.40	34.16
17.0	20.47	34.32
17.5	20.57	34.57
18.0	20.70	34.62

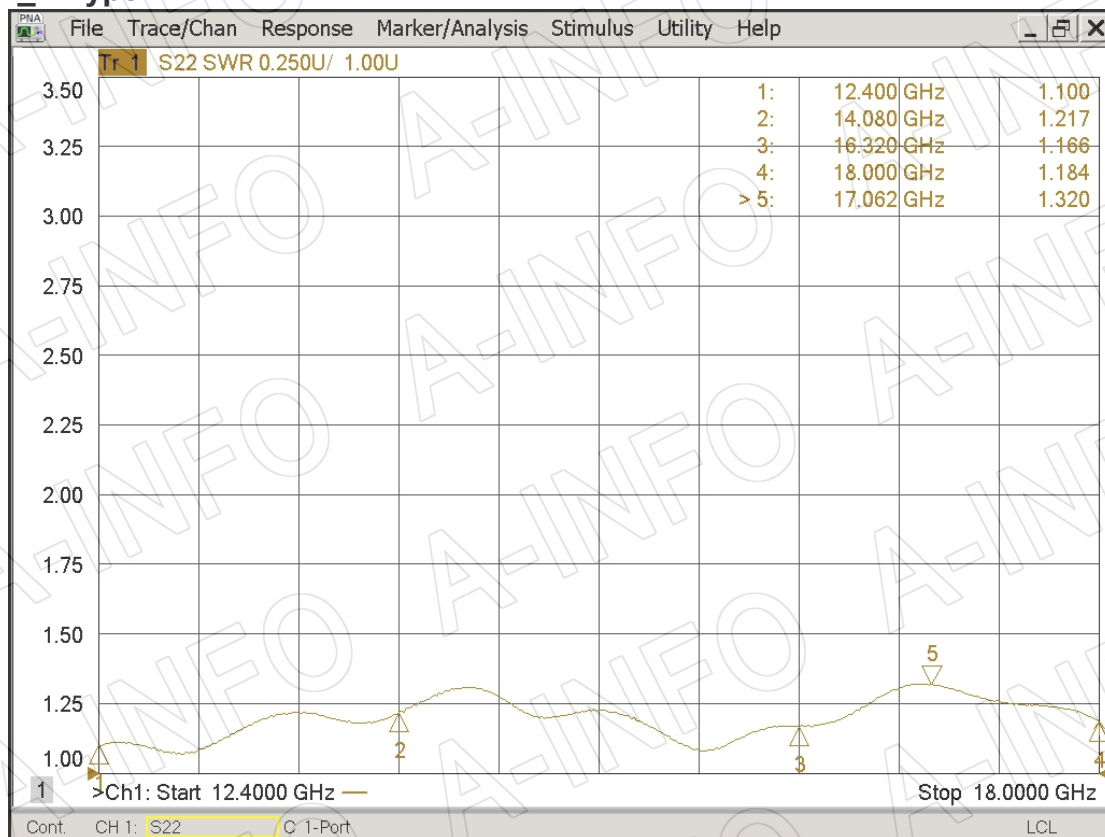
2. Cross Polarization Isolation



3. VSWR_A Type

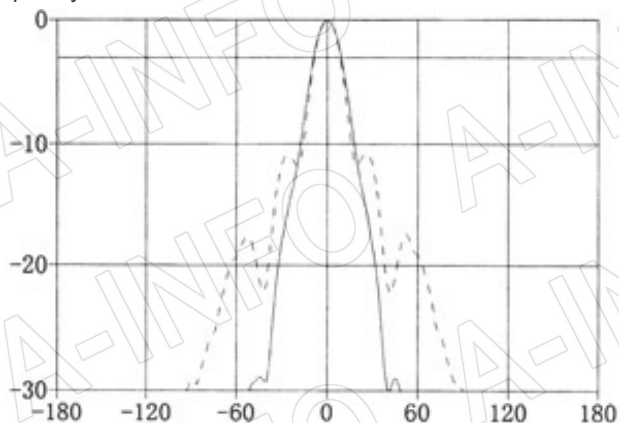


VSWR_C Type



4. Pattern

Frequency: 12.4GHz



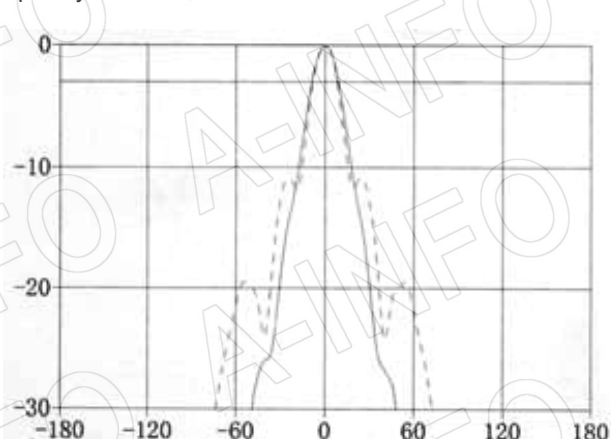
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 18.44

3dB Beamwidth (deg): 17.07

Frequency: 13.0GHz



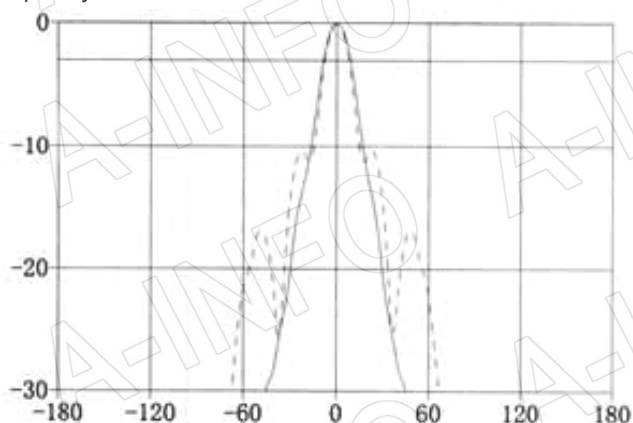
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 17.94

3dB Beamwidth (deg): 16.41

Frequency: 13.5GHz



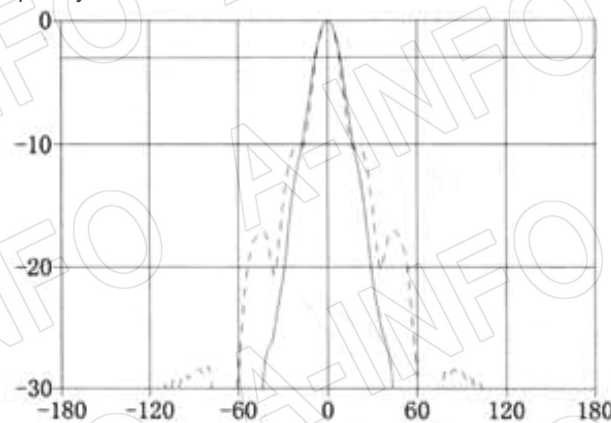
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 17.33

3dB Beamwidth (deg): 15.40

Frequency: 14.0GHz



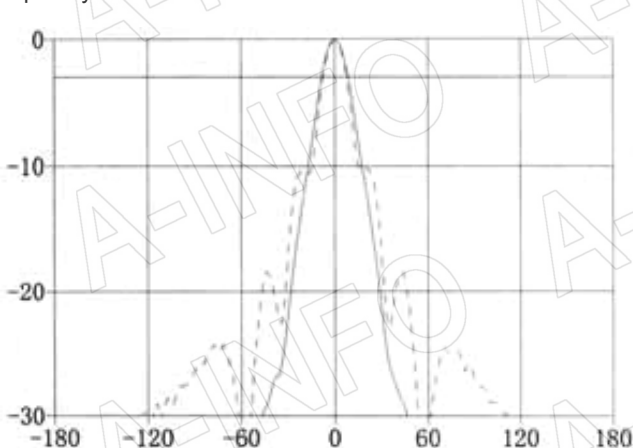
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 16.68

3dB Beamwidth (deg): 15.21

Frequency: 14.5GHz



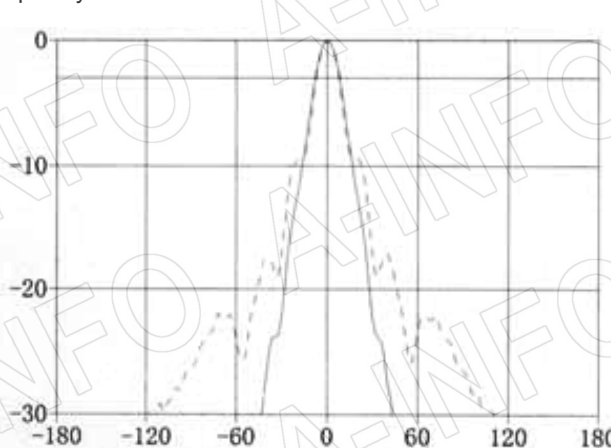
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 16.66

3dB Beamwidth (deg): 14.78

Frequency: 15.0GHz



H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 16.23

3dB Beamwidth (deg): 14.88

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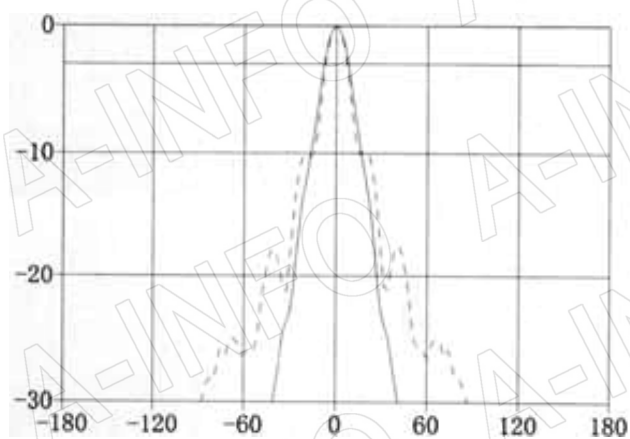
Tel: (+86) 10-6266-7326,
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(+86) 10-6266-7327
(+86) 28-8519-3044
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Fax: (+1) 949-639-9670

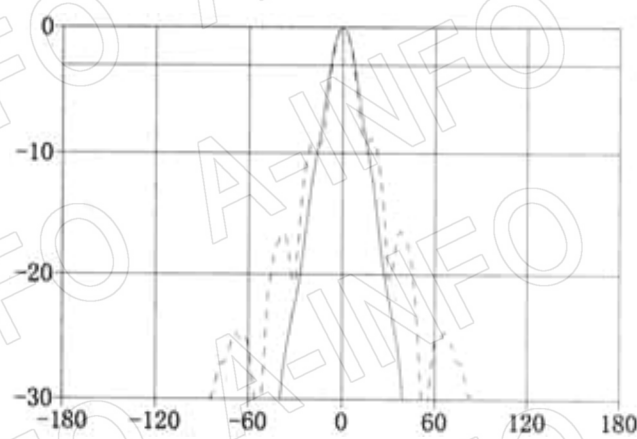
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Email: sales@ainfoinc.com

Frequency: 15.5GHz



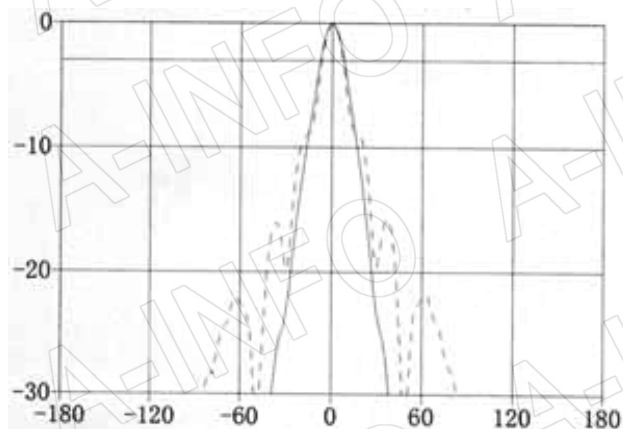
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 15.75 3dB Beamwidth (deg): 13.96

Frequency: 16.0GHz



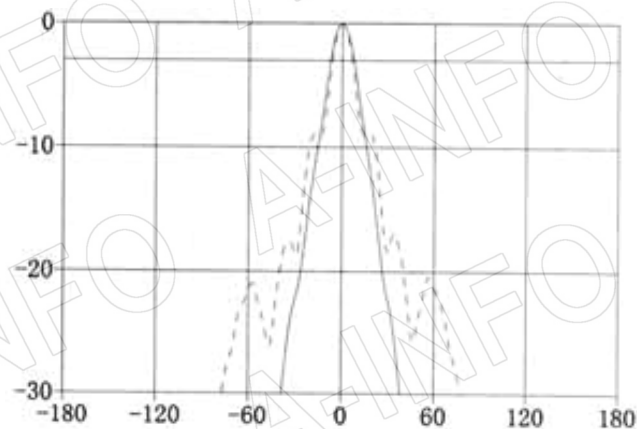
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 15.03 3dB Beamwidth (deg): 13.49

Frequency: 16.5GHz



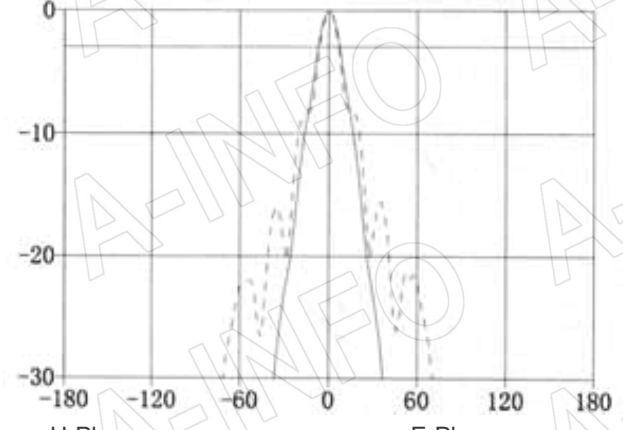
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 15.61 3dB Beamwidth (deg): 13.75

Frequency: 17.0GHz



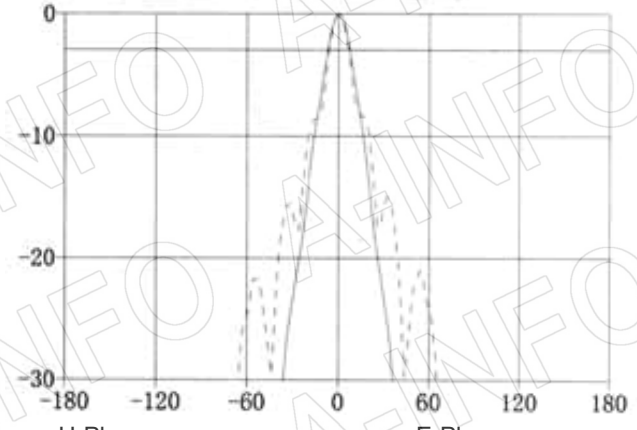
H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 14.82 3dB Beamwidth (deg): 12.83

Frequency: 17.5GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 14.41 3dB Beamwidth (deg): 12.77

Frequency: 18.0GHz



H-Plane ——— E-Plane - - - - -
3dB Beamwidth (deg): 14.31 3dB Beamwidth (deg): 12.55