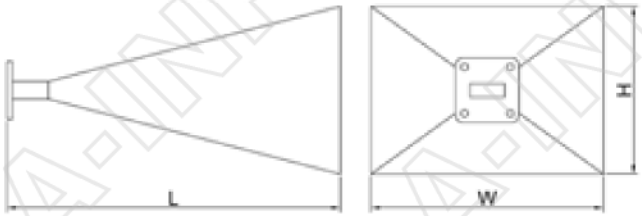
Technical Specification

Frequency Range(GHz)	7.05 - 10.0
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR112
Material	Al
Output	A Type: FBP84 C Type: N/SMA/3.5mm/TNC/7mm
Size(mm) W x H x L	A Type: 102x71x140 C Type: 102x71x180
Net Weight(Kg)	A Type: 0.15 Around C Type: 0.25 Around

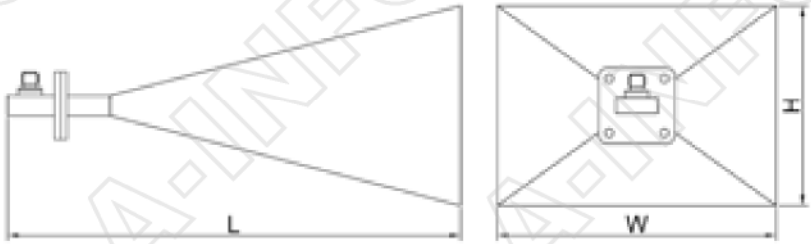
Outline Drawing (Size: mm)

A Type



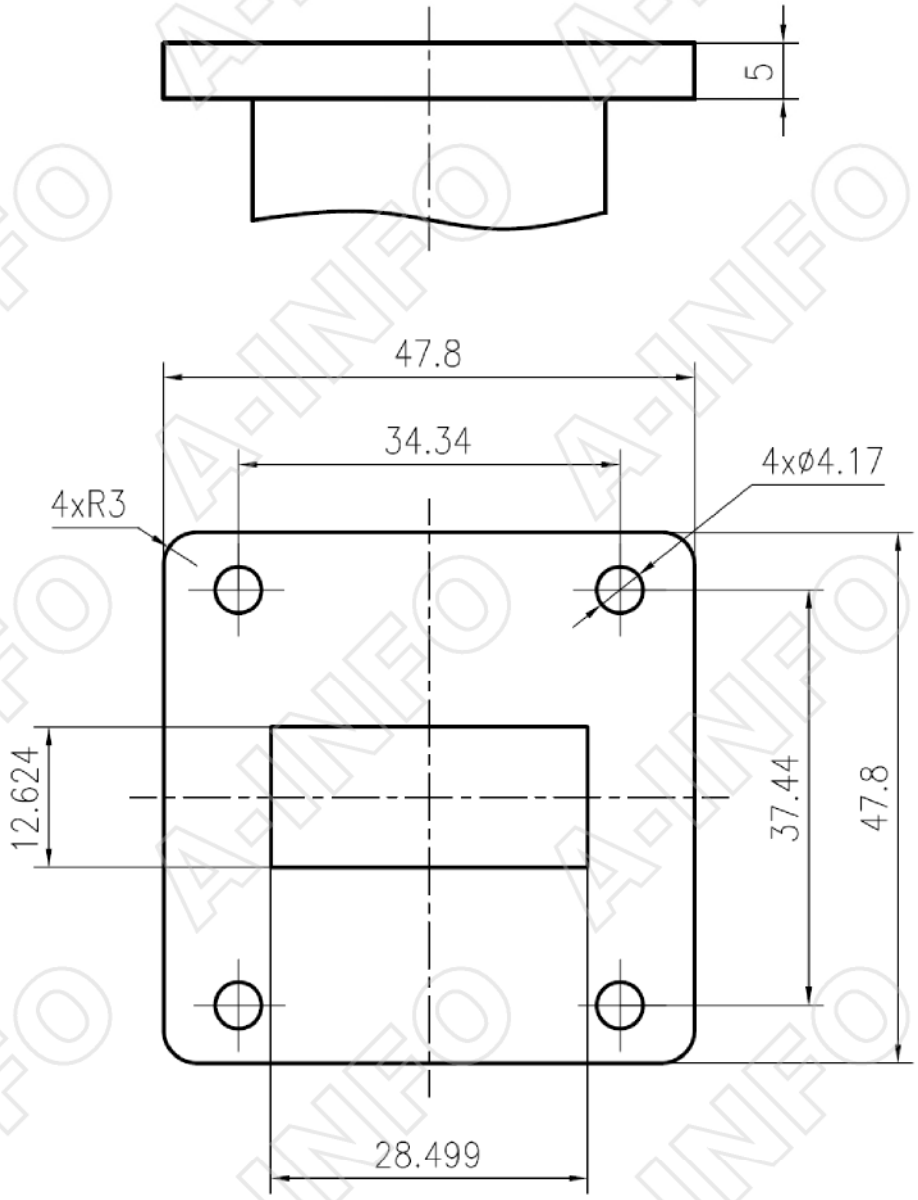
W x H x L: 102x71x140

C Type



W x H x L: 102x71x180

Flange Drawing (Size: mm)



FBP84

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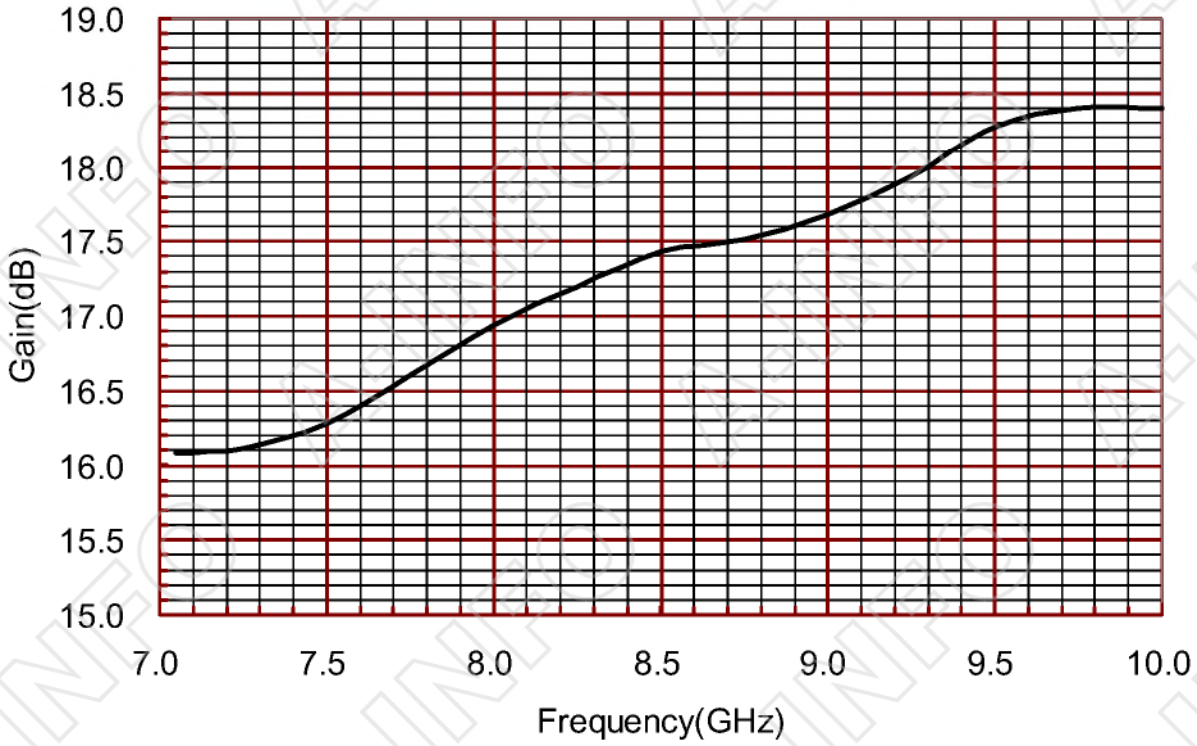
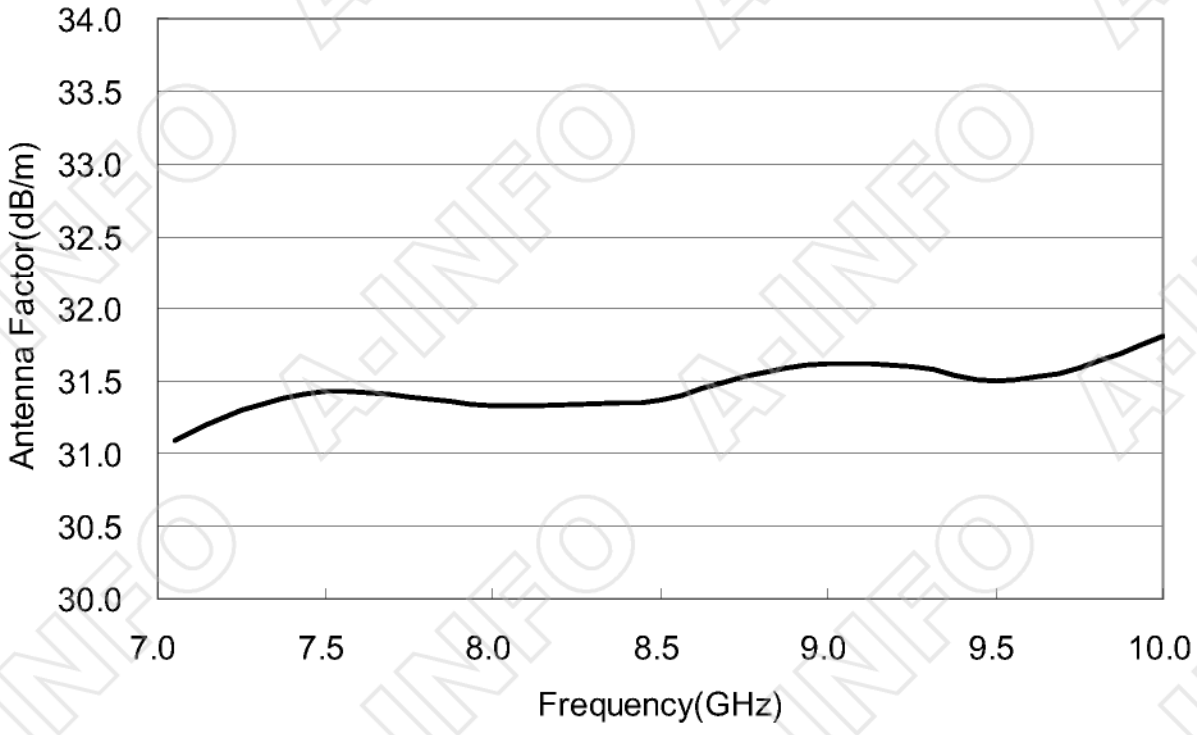
Test Results

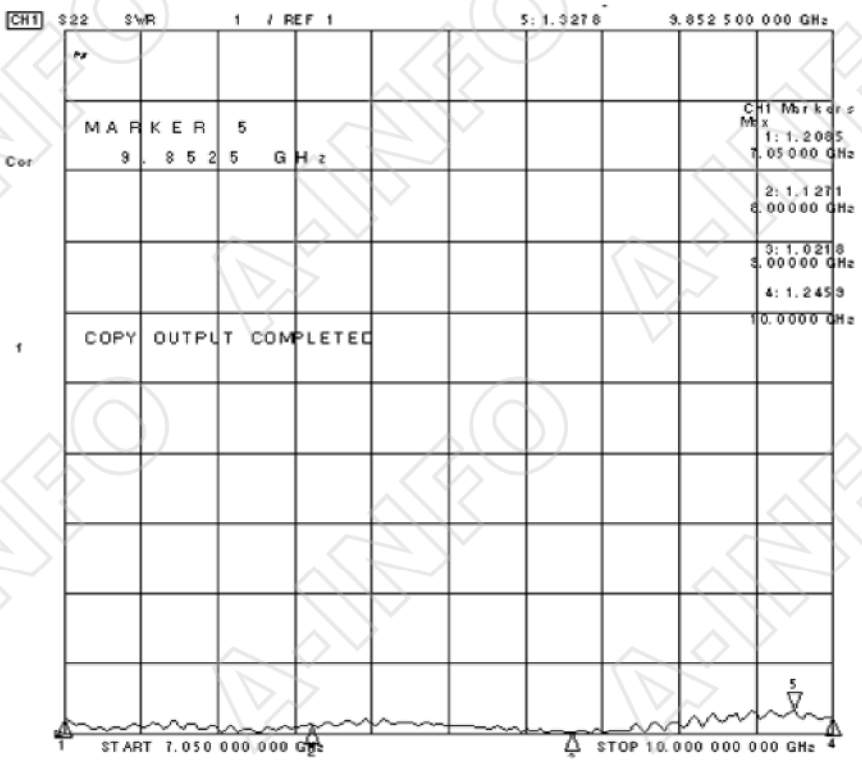
1. Gain and Antenna Factor



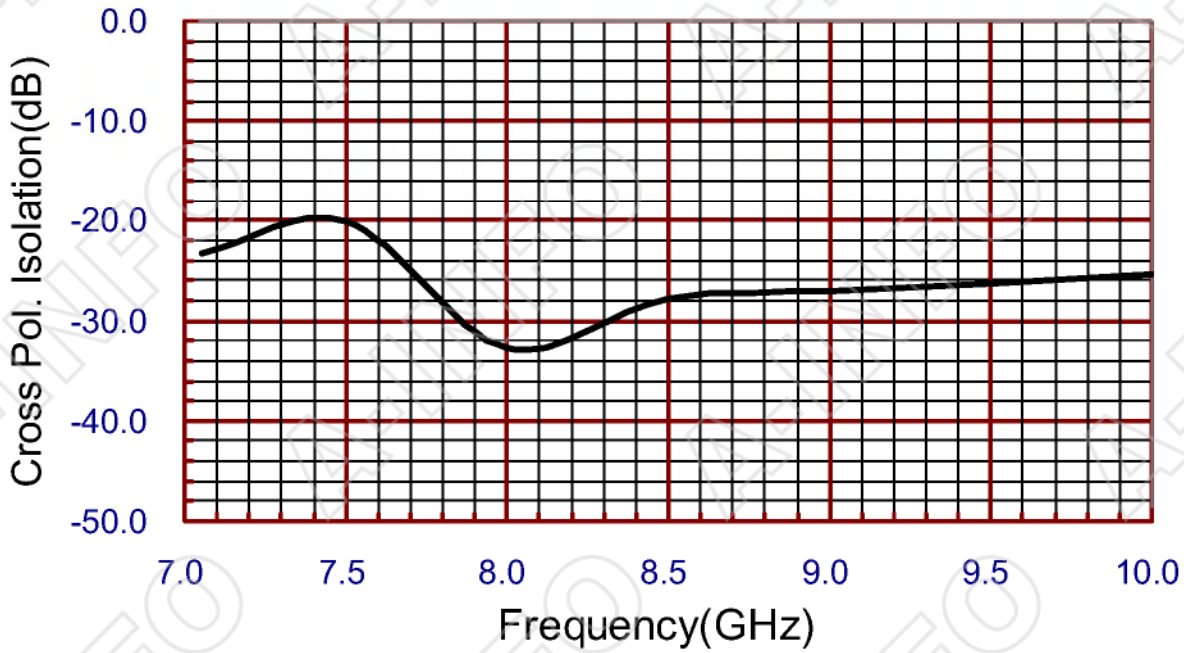


Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
7.05	16.08	31.09
7.25	16.11	31.30
7.50	16.28	31.43
7.75	16.60	31.39
8.00	16.94	31.33
8.25	17.20	31.34
8.50	17.43	31.37
8.75	17.52	31.53
9.00	17.68	31.62
9.25	17.93	31.60
9.50	18.27	31.50
9.75	18.40	31.59
10.00	18.40	31.81

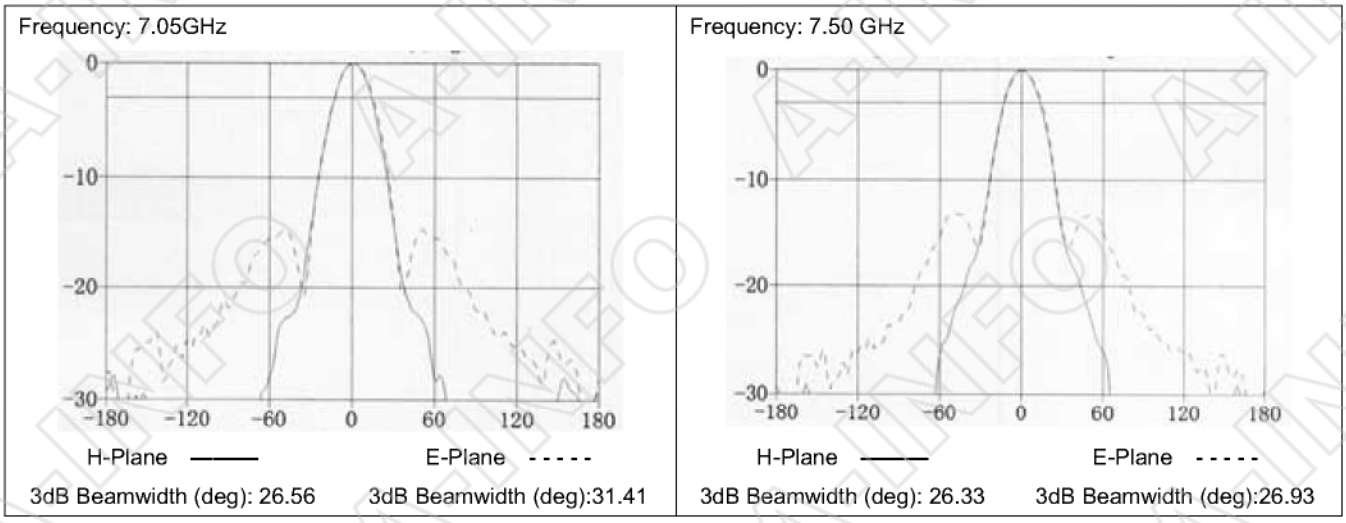
2. VSWR



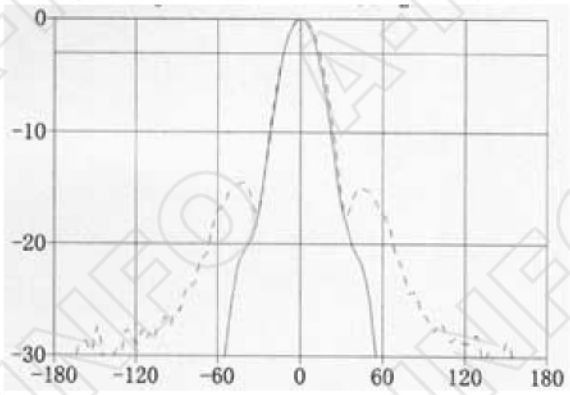
3. Cross Polarization Isolation



4. Pattern



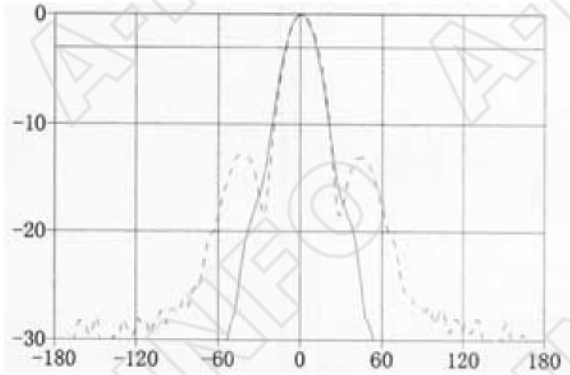
Frequency: 8.00 GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 24.52 3dB Beamwidth (deg):26.64

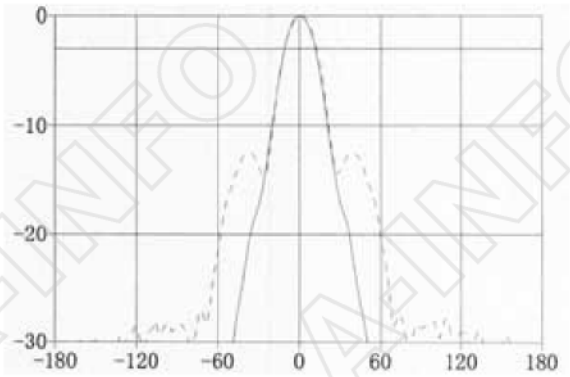
Frequency: 8.50 GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg):22.36 3dB Beamwidth (deg): 22.90

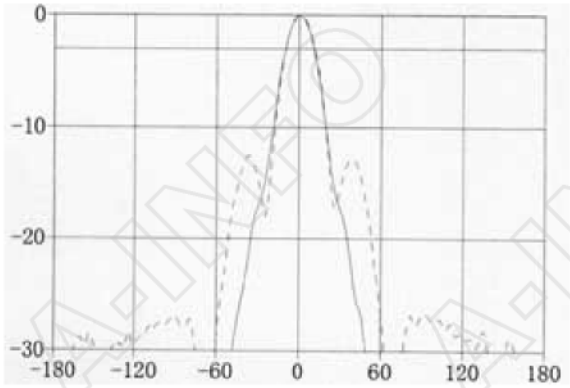
Frequency: 9.00 GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 22.20 3dB Beamwidth (deg): 23.35

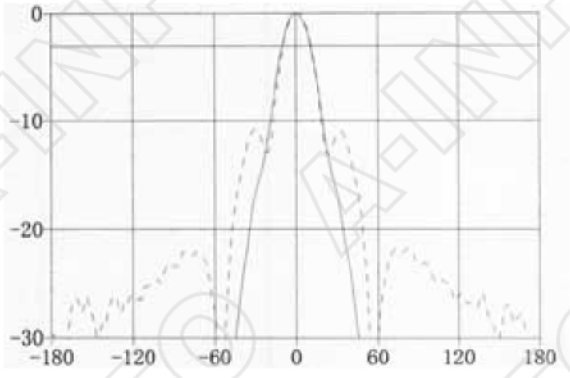
Frequency: 9.50GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg):20.73 3dB Beamwidth (deg): 21.37

Frequency: 10.00GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 20.44 3dB Beamwidth (deg): 20.00

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