

Technical Specification



Frequency Range(GHz)	12.4 - 18.0
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR62
Material	Al
Output	A Type: FBP140 C Type: SMA/ N /TNC/ 7mm /3.5mm
Size(mm) W x H x L	A Type: 50x35x60 C Type: 50x35x87
Net Weight(Kg)	A Type: 0.05 Around C Type: 0.10 Around

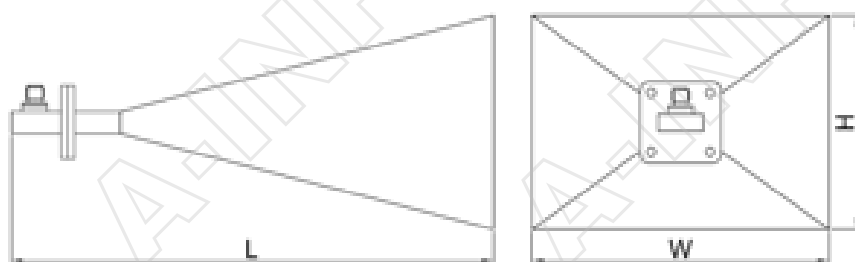
Outline Drawing (Size: mm)

A Type



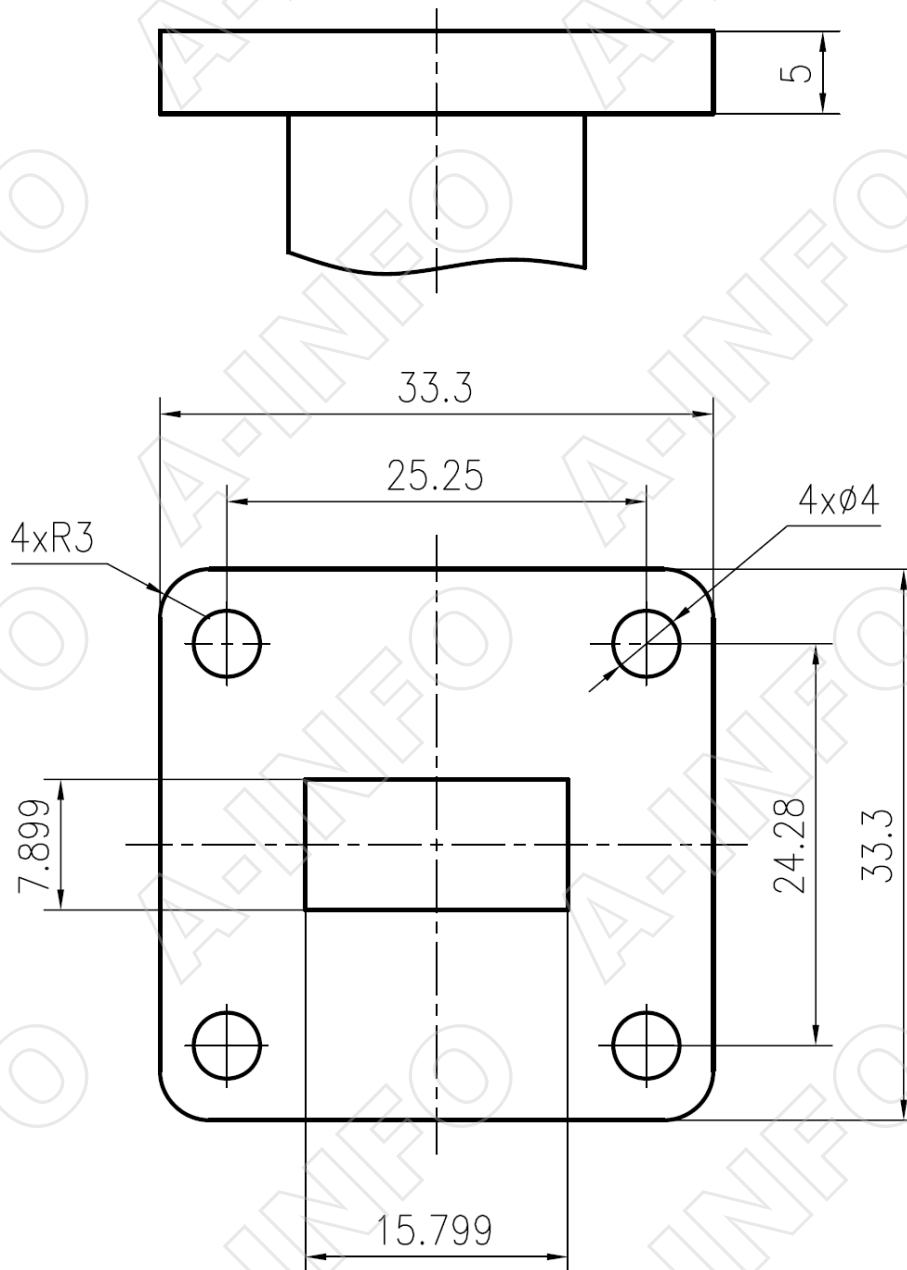
W x H x L: 50x35x60

C Type

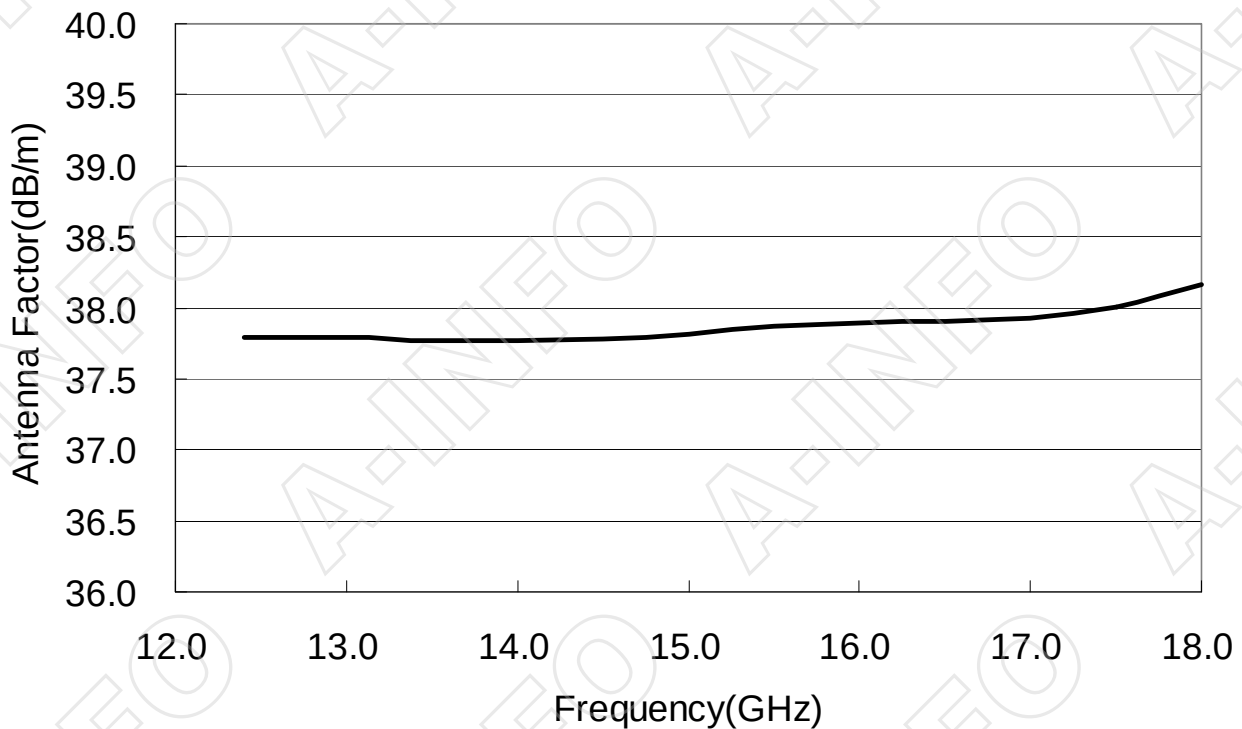
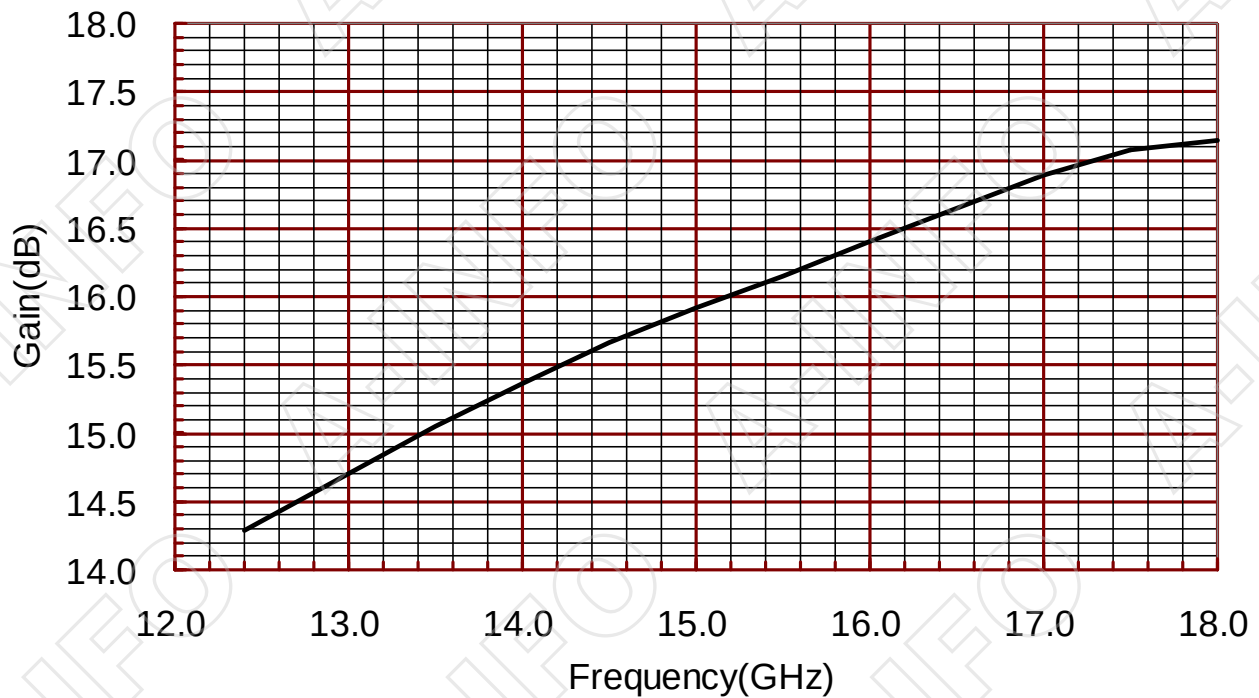


W x H x L: 50x35x87

Flange Drawing (Size: mm)

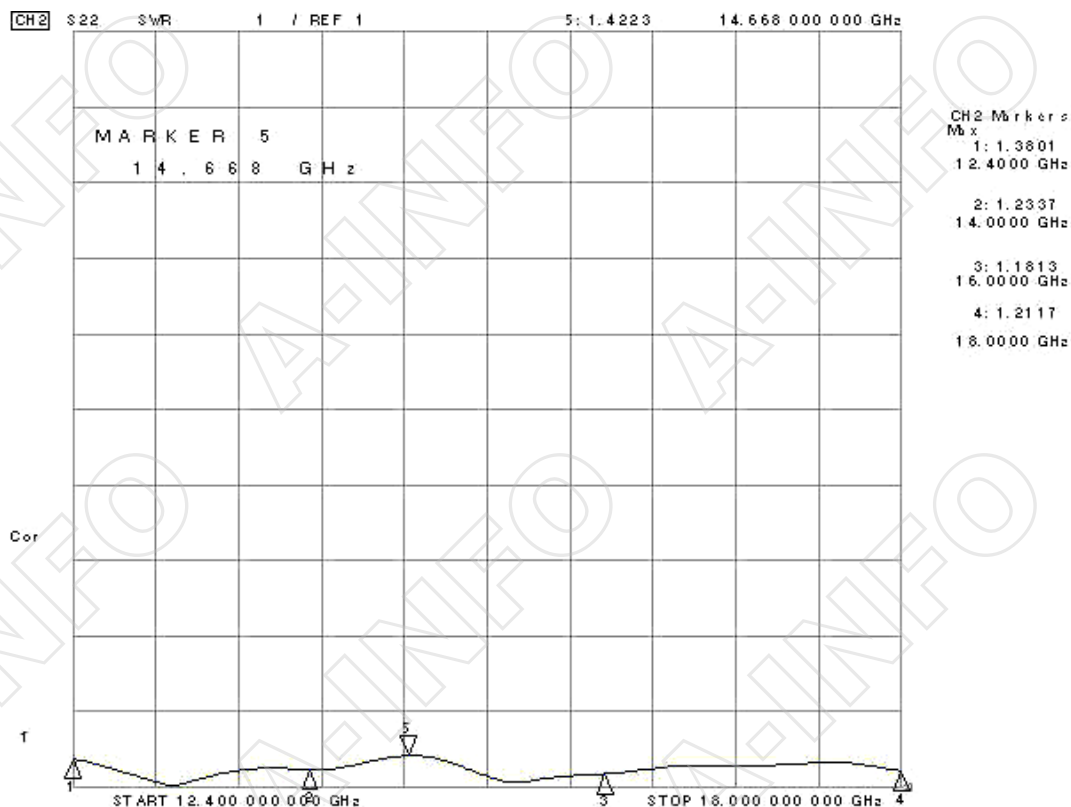


FBP140

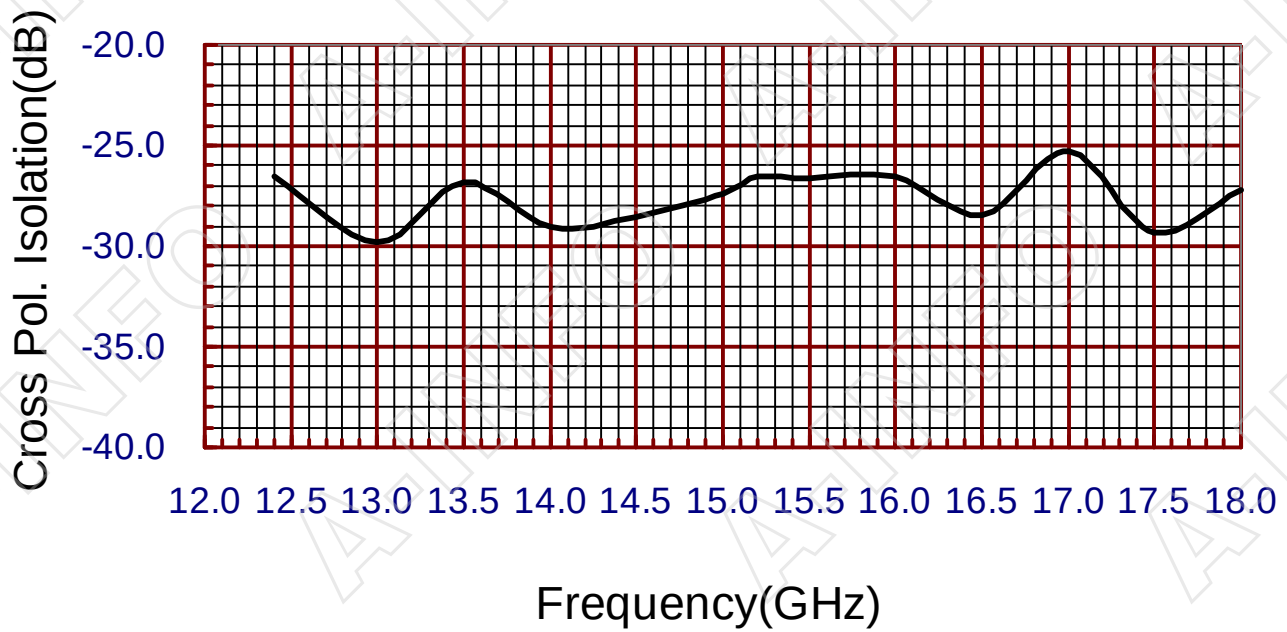
Test Results**1. Gain and Antenna Factor**

Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
12.40	14.29	37.79
13.00	14.70	37.79
13.50	15.05	37.77
14.00	15.36	37.77
14.50	15.66	37.78
15.00	15.92	37.81
15.50	16.15	37.87
16.00	16.40	37.89
16.50	16.65	37.91
17.00	16.89	37.93
17.50	17.07	38.00
18.00	17.15	38.17

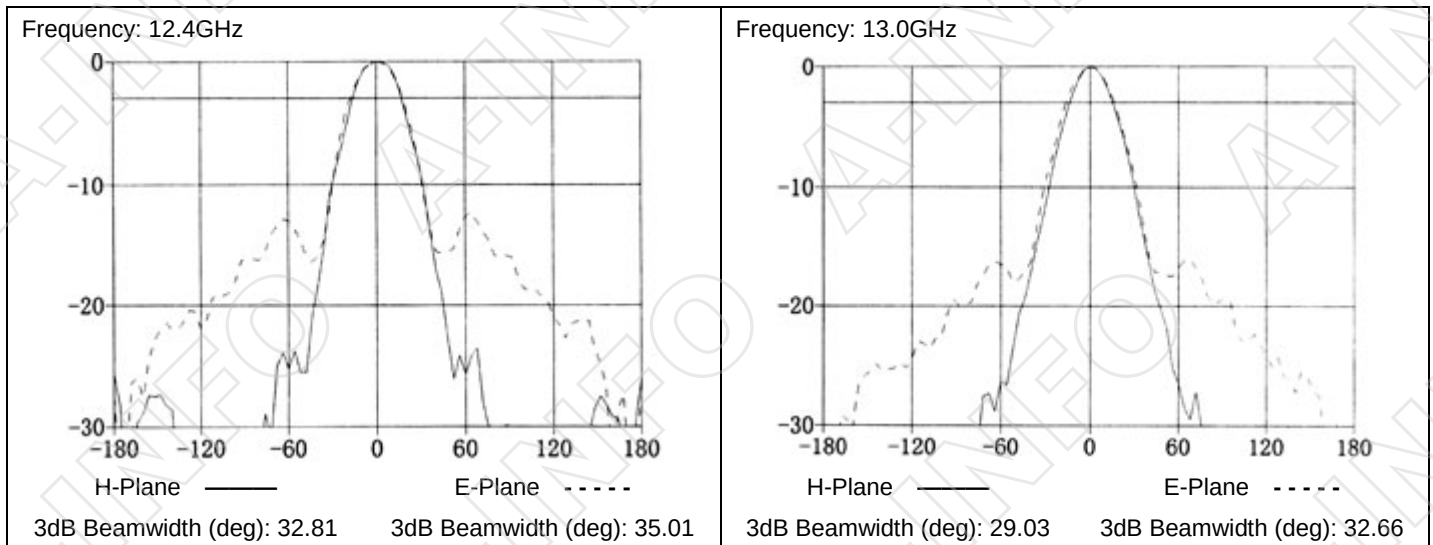
2. VSWR



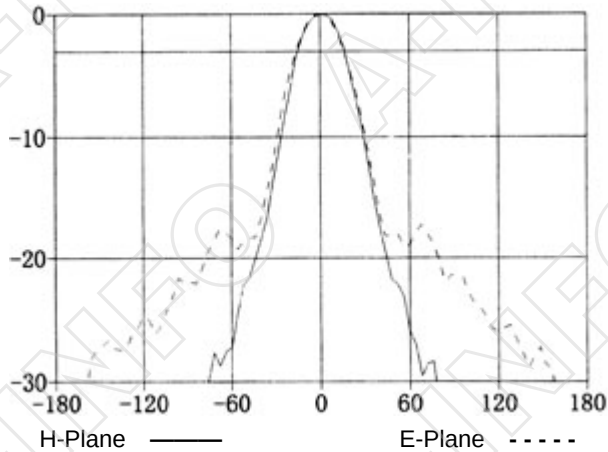
3. Cross Polarization Isolation



4. Pattern

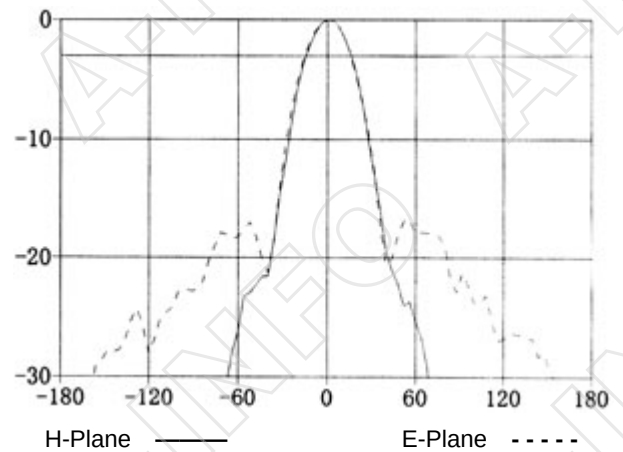


Frequency: 13.5GHz



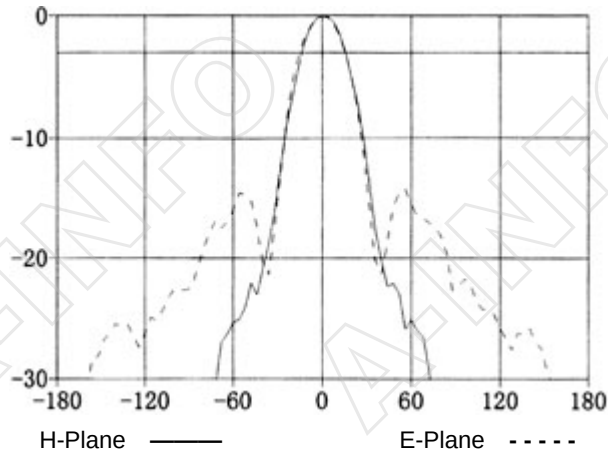
3dB Beamwidth (deg): 31.31 3dB Beamwidth (deg): 31.76

Frequency: 14.0GHz



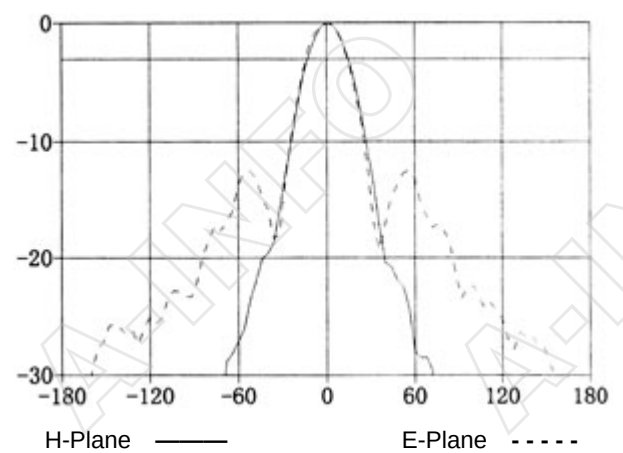
3dB Beamwidth (deg): 30.53 3dB Beamwidth (deg): 31.23

Frequency: 14.5GHz



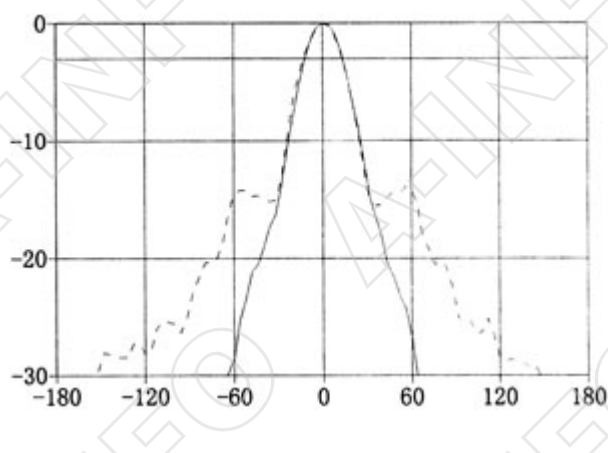
3dB Beamwidth (deg): 29.09 3dB Beamwidth (deg): 30.46

Frequency: 15.0GHz



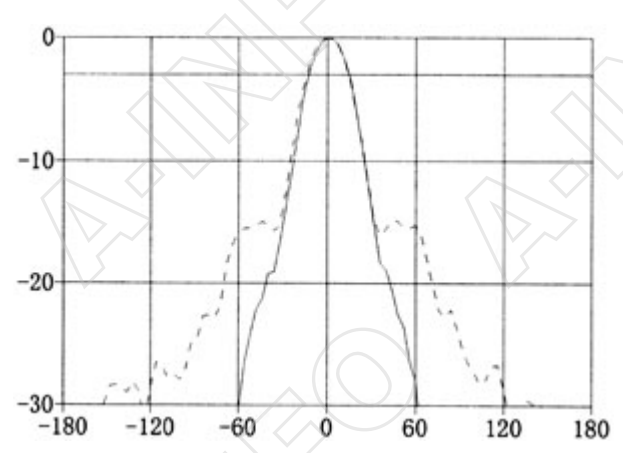
3dB Beamwidth (deg): 27.63 3dB Beamwidth (deg): 28.19

Frequency: 15.5GHz



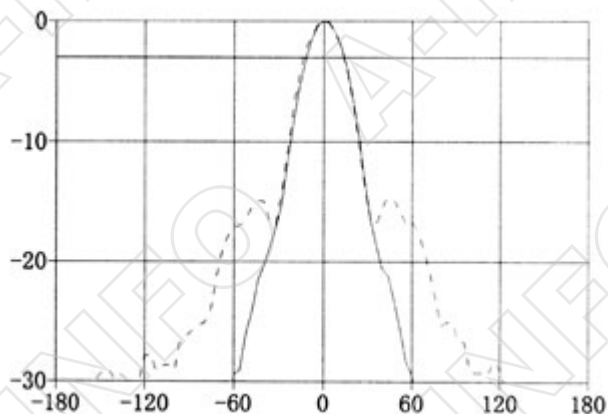
3dB Beamwidth (deg): 25.26 3dB Beamwidth (deg): 26.09

Frequency: 16.0GHz



3dB Beamwidth (deg): 27.29 3dB Beamwidth (deg): 28.17

Frequency: 16.5GHz



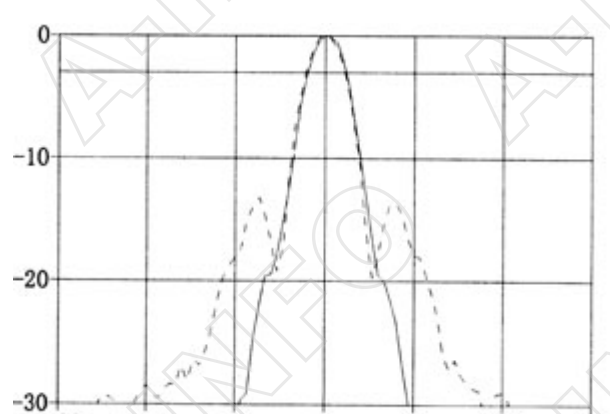
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 25.49

3dB Beamwidth (deg): 27.02

Frequency: 17.0GHz



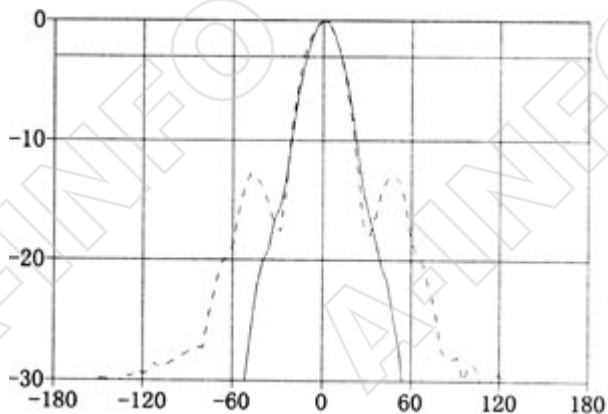
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 25.67

3dB Beamwidth (deg): 25.93

Frequency: 17.5GHz



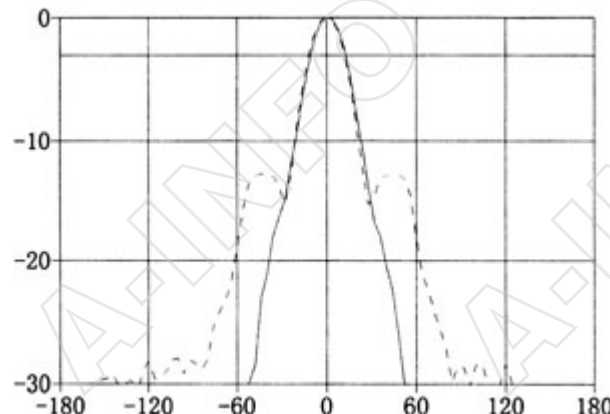
H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 22.95

3dB Beamwidth (deg): 24.94

Frequency: 18.0GHz



H-Plane ———

E-Plane - - - - -

3dB Beamwidth (deg): 23.42

3dB Beamwidth (deg): 24.23