

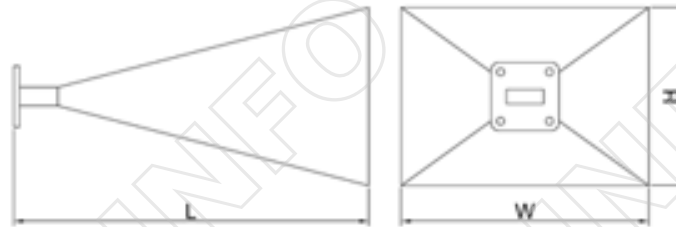
Technical Specification



Frequency Range(GHz)	10.0 - 15.0
Gain(dB)	10 Typ.
3dB Beamwidth(deg)	55 Typ.
Waveguide	WR75
Material	Al
Output	A Type: FBP120 C Type: N/SMA/3.5mm/TNC/7mm
Size(mm) W x H x L	A Type: 38x29x65 C Type: 38x29x95
Net Weight(Kg)	A Type: 0.05 Around C Type: 0.10Around

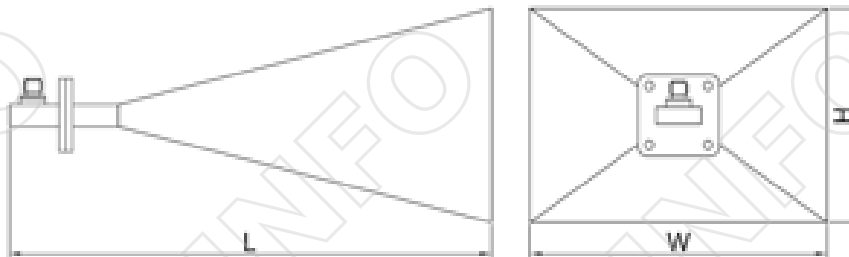
Outline Drawing (Size: mm)

A Type



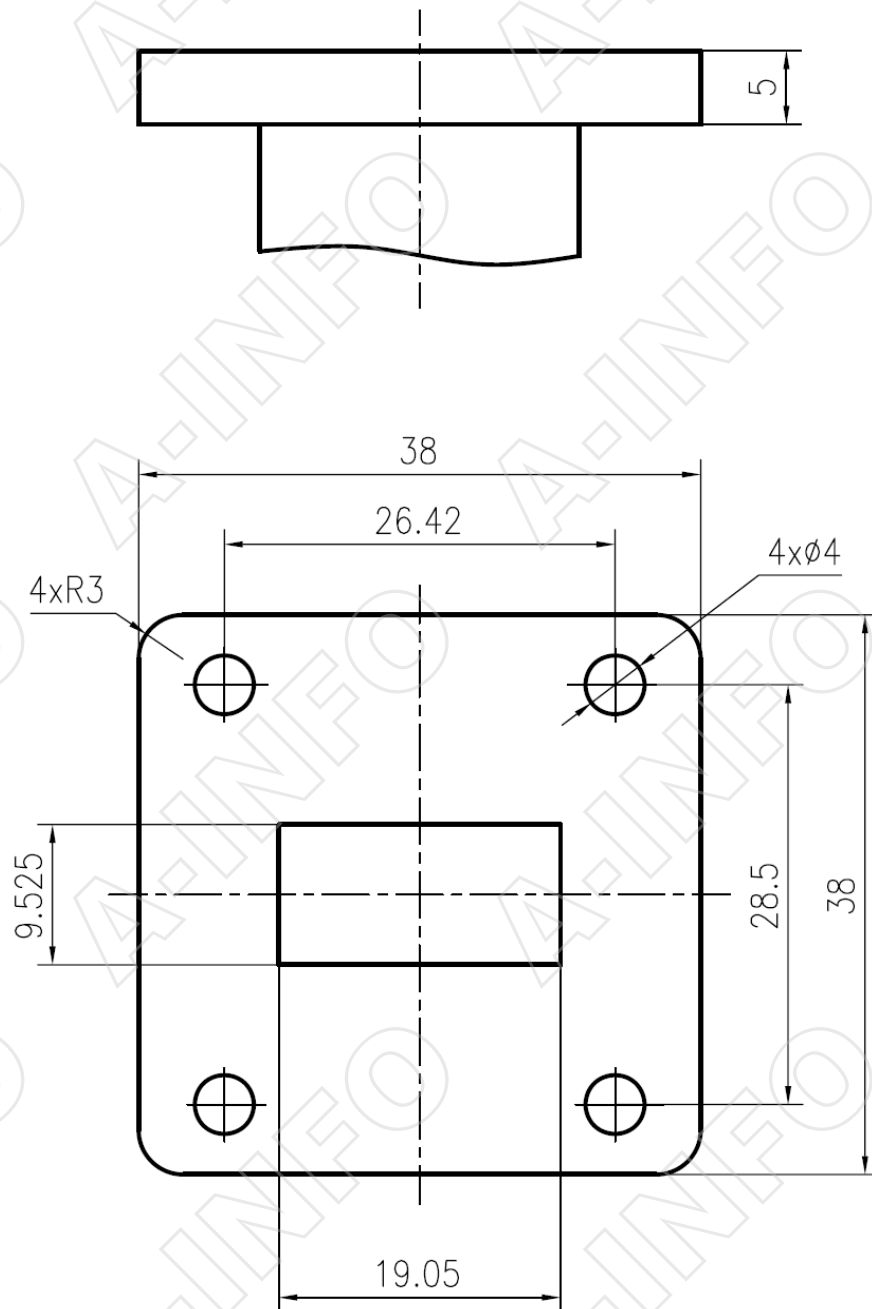
W x H x L: 38x29x65

C Type



W x H x L: 38x29x95

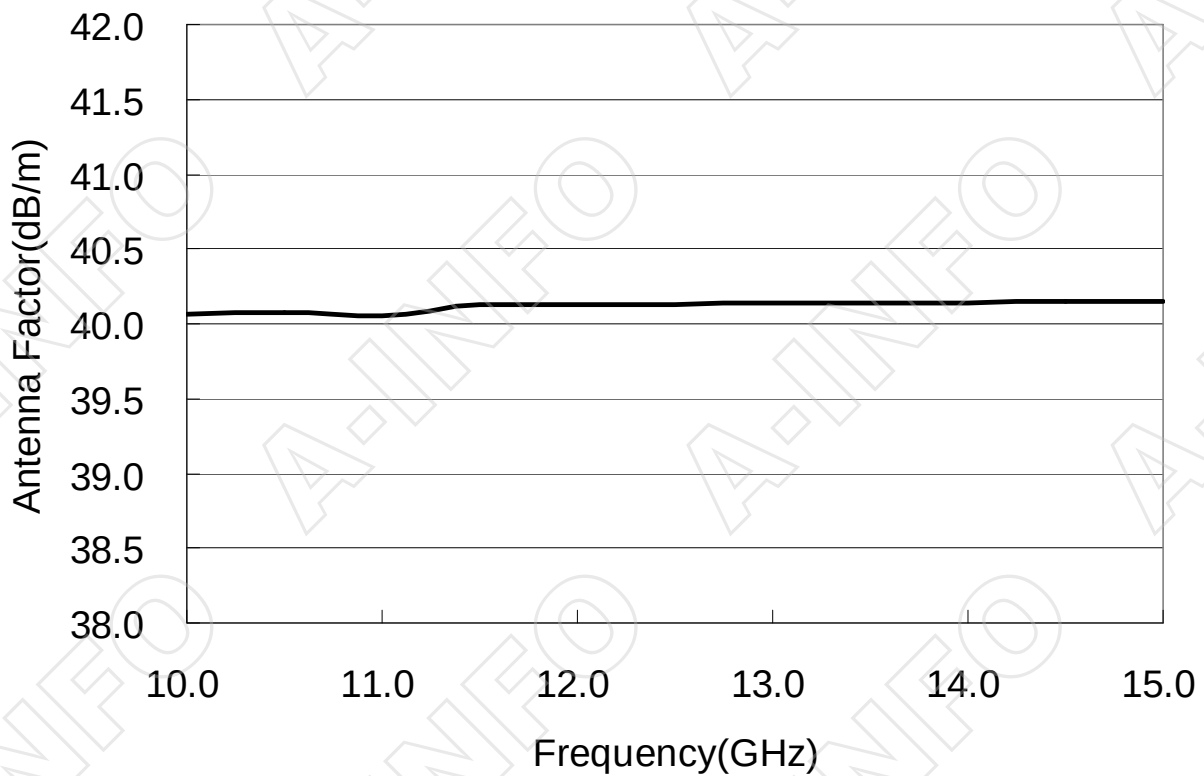
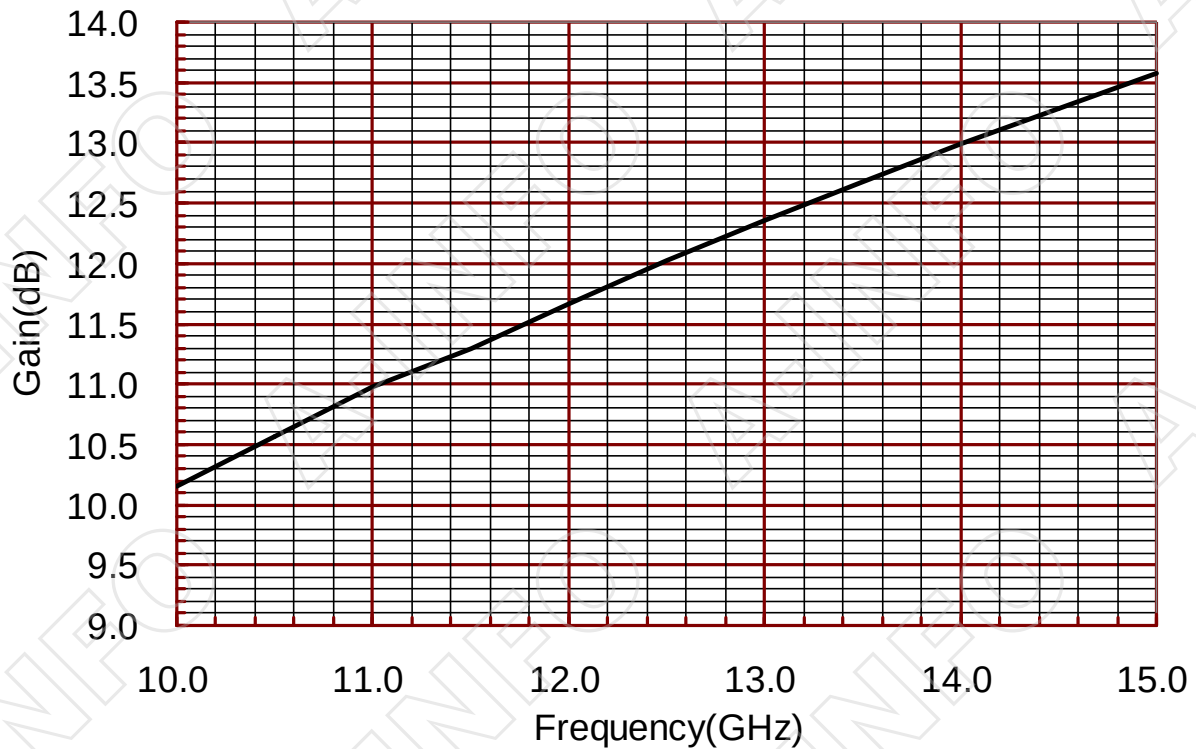
Flange Drawing (Size: mm)



FBP120

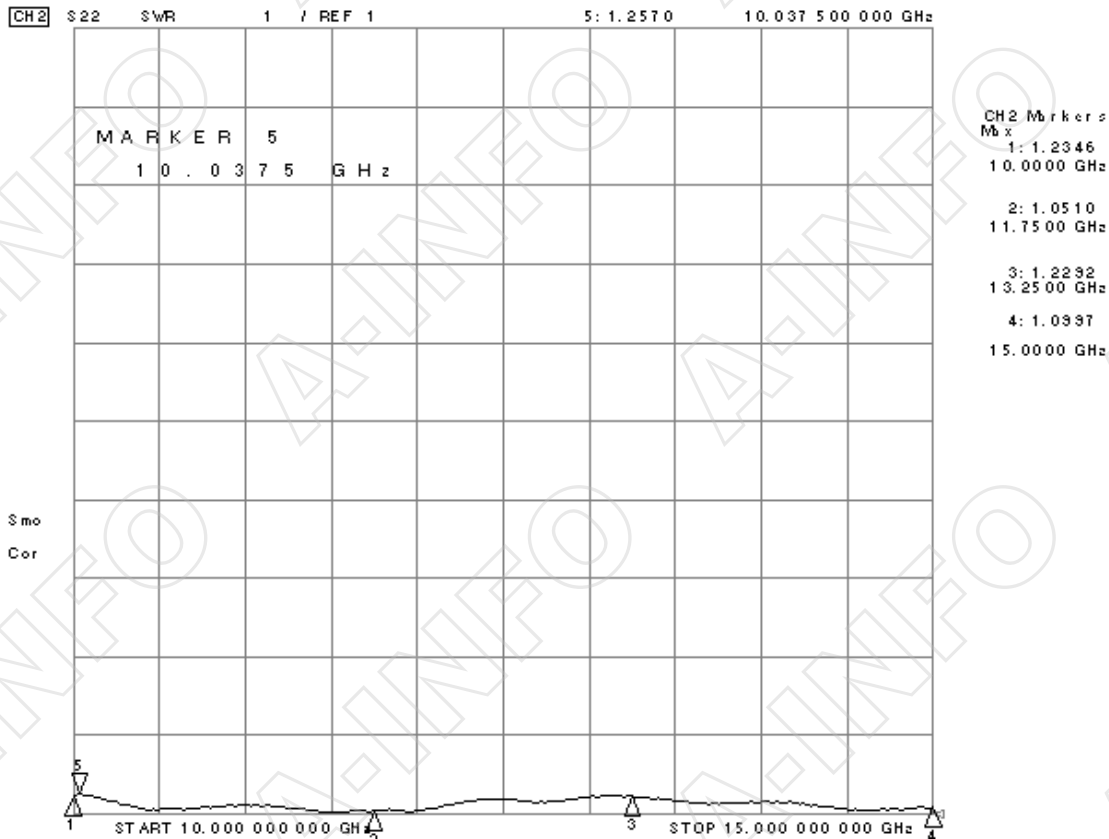
Test Results

1. Gain and Antenna Factor

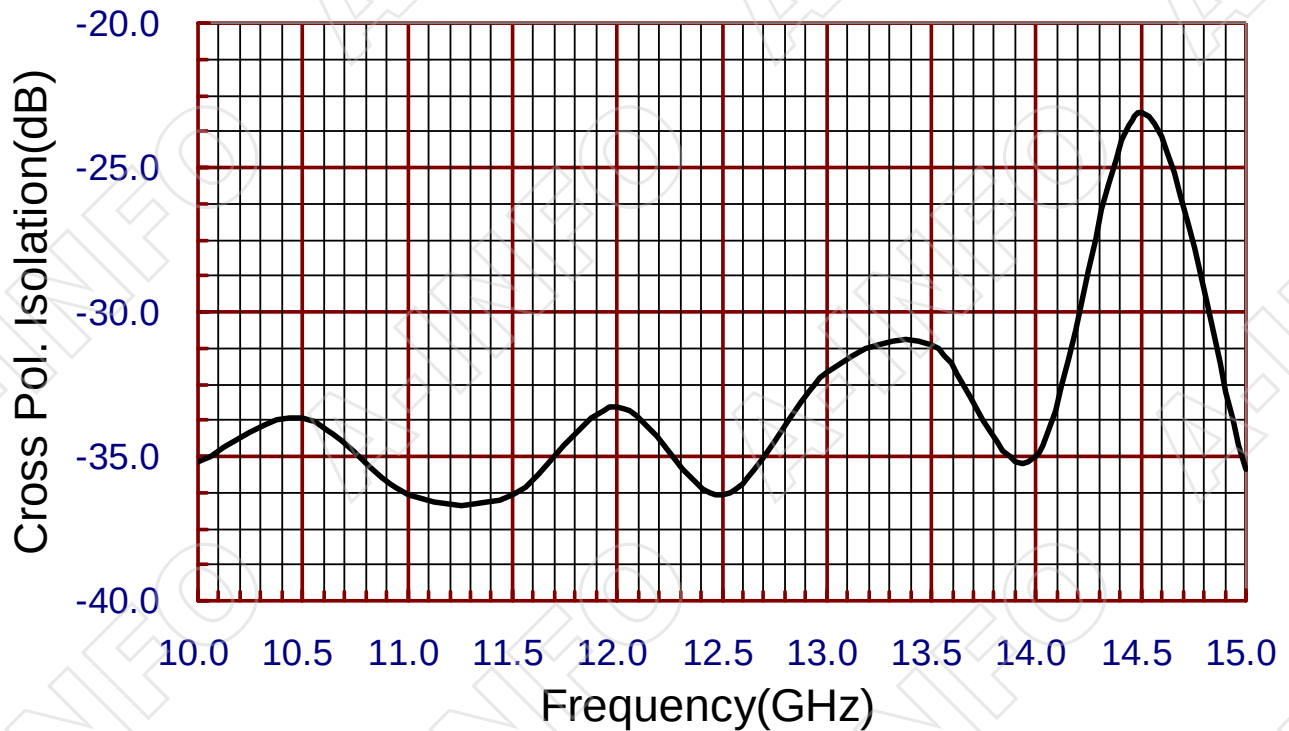


Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
10.00	10.15	40.06
10.50	10.56	40.07
11.00	10.98	40.06
11.50	11.30	40.12
12.00	11.66	40.13
12.50	12.02	40.13
13.00	12.35	40.14
13.50	12.68	40.14
14.00	12.99	40.14
14.50	13.29	40.15
15.00	13.58	40.15

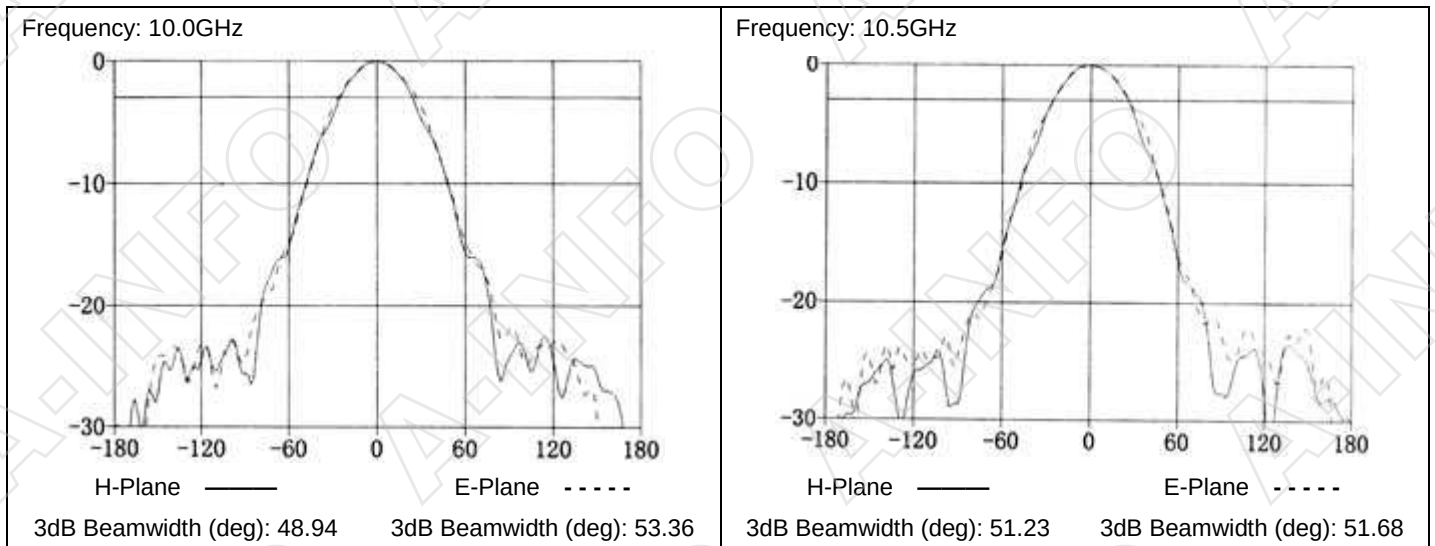
2. VSWR



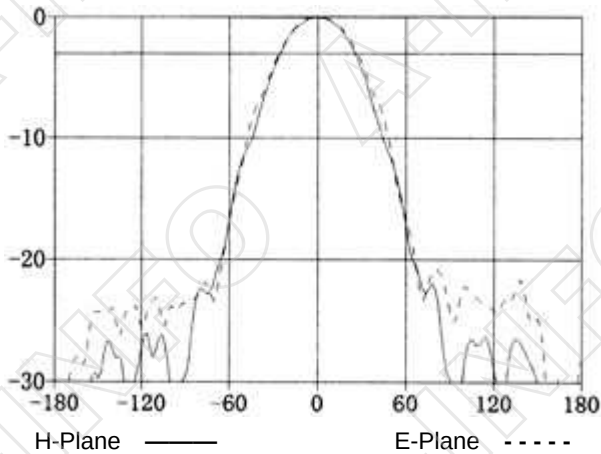
3. Cross Polarization Isolation



4. Pattern

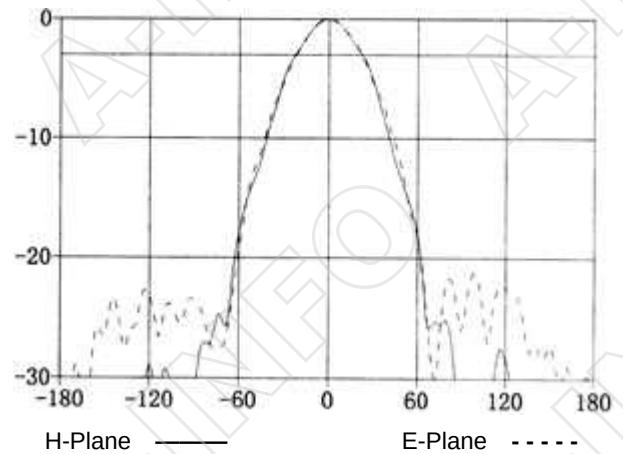


Frequency: 11.0GHz



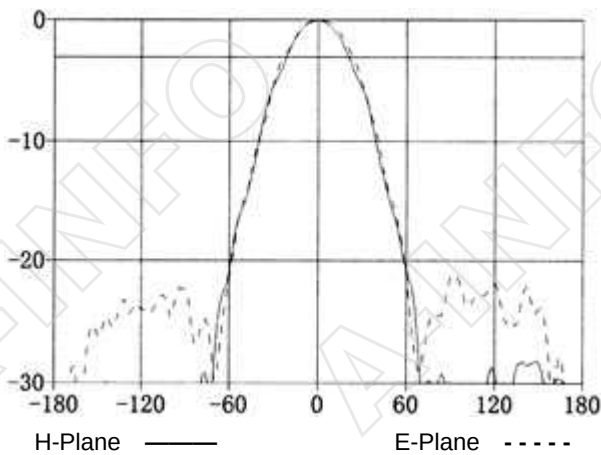
3dB Beamwidth (deg): 50.74 3dB Beamwidth (deg):53.36

Frequency: 11.5GHz



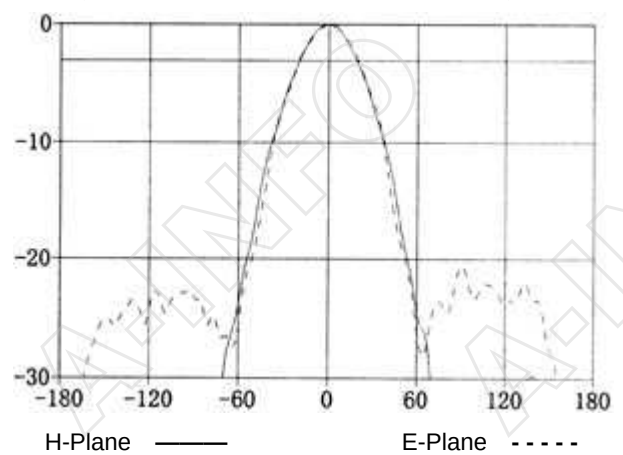
3dB Beamwidth (deg): 45.10 3dB Beamwidth (deg):44.62

Frequency: 12.0GHz



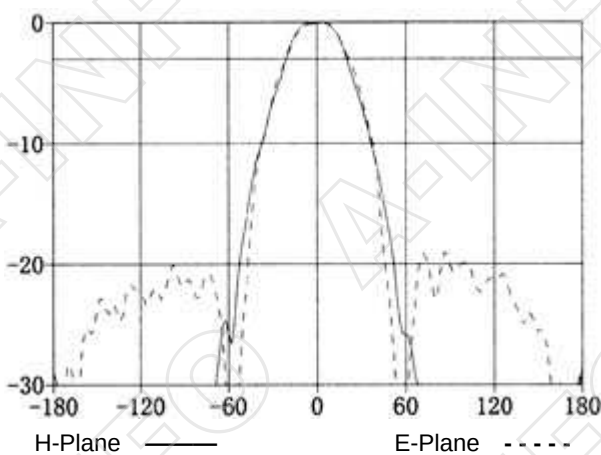
3dB Beamwidth (deg): 42.02 3dB Beamwidth (deg): 46.36

Frequency: 12.5GHz



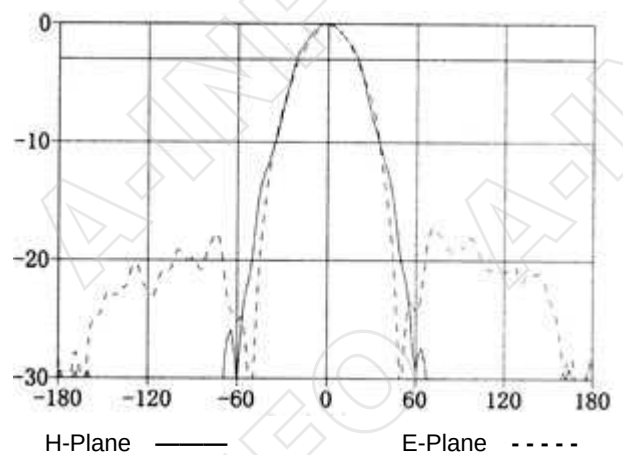
3dB Beamwidth (deg): 38.22 3dB Beamwidth (deg): 39.68

Frequency: 13.0GHz



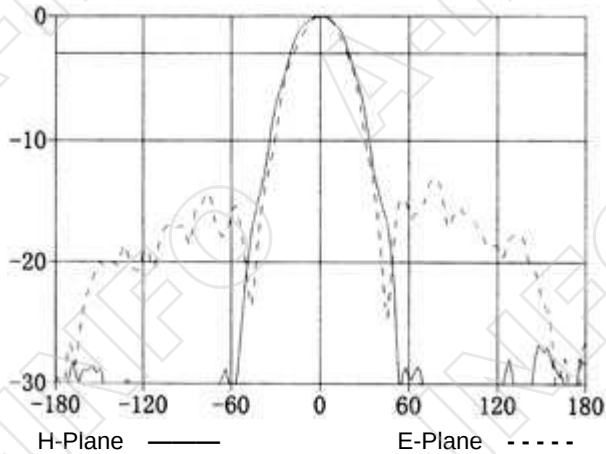
3dB Beamwidth (deg): 41.02 3dB Beamwidth (deg): 42.21

Frequency: 13.5GHz



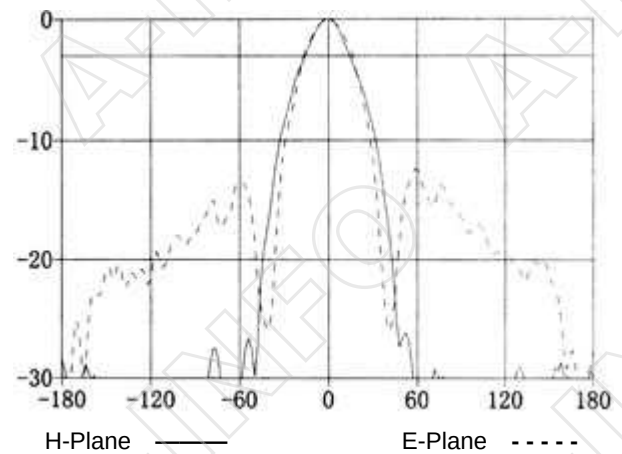
3dB Beamwidth (deg): 41.49 3dB Beamwidth (deg):38.22

Frequency: 14.0GHz



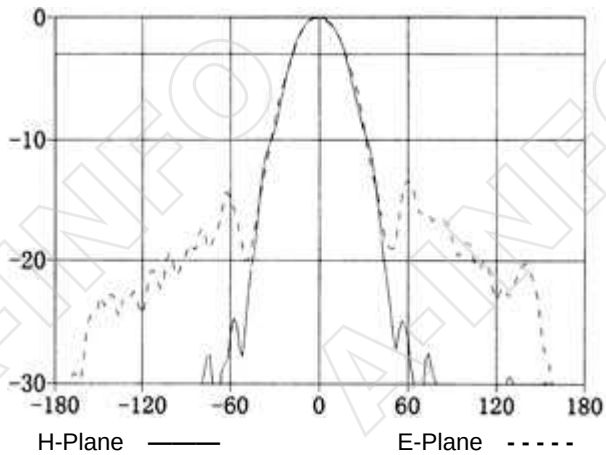
3dB Beamwidth (deg): 39.56 3dB Beamwidth (deg): 35.99

Frequency: 14.5GHz



3dB Beamwidth (deg): 29.61 3dB Beamwidth (deg): 32.53

Frequency: 15.0GHz



3dB Beamwidth (deg): 35.63 3dB Beamwidth (deg): 35.66