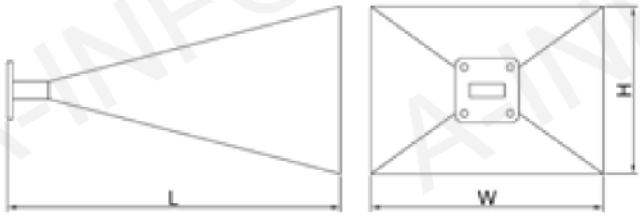
Technical Specification

Frequency Range(GHz)	4.90 - 7.05
Gain(dB)	20 Typ.
3dB Beamwidth(deg)	18 Typ.
Waveguide	WR159
Material	Al
Output	A Type: FDP58 C Type: N-F or SMA-F
Size(mm) W x H x L	A Type: 225x173x265 C Type: 225x173x315
Net Weight(Kg)	A Type: 0.8 Around C Type: 1.0 Around

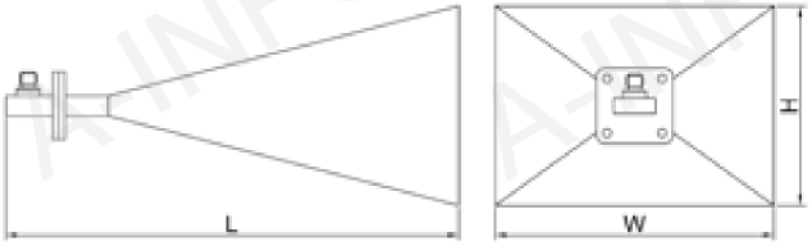
Outline Drawing (Size: mm)

A Type



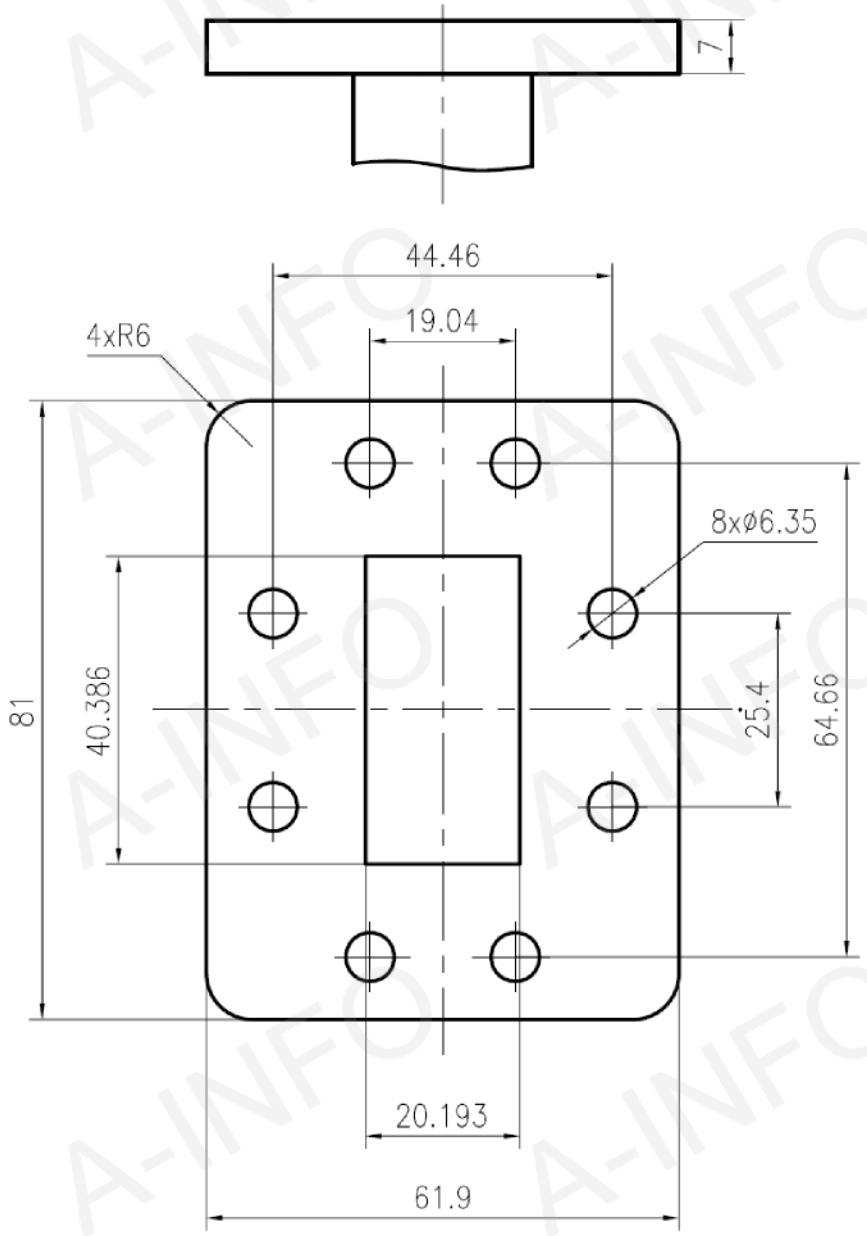
W x H x L: 225x173x265

C Type



W x H x L: 225x173x315

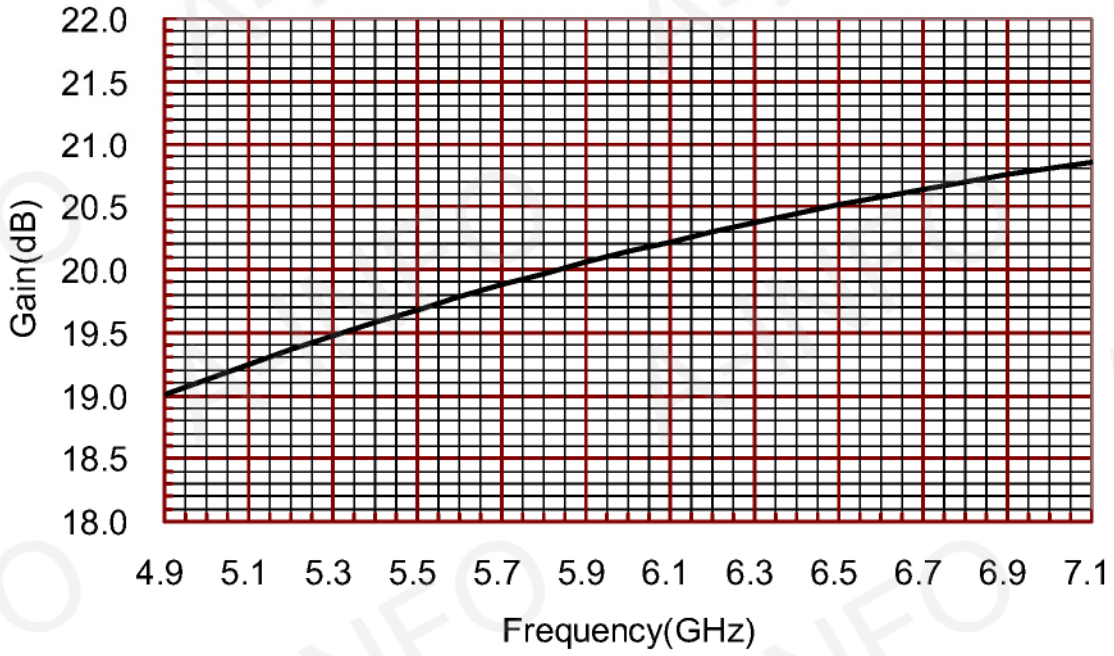
Flange Drawing (Size: mm)

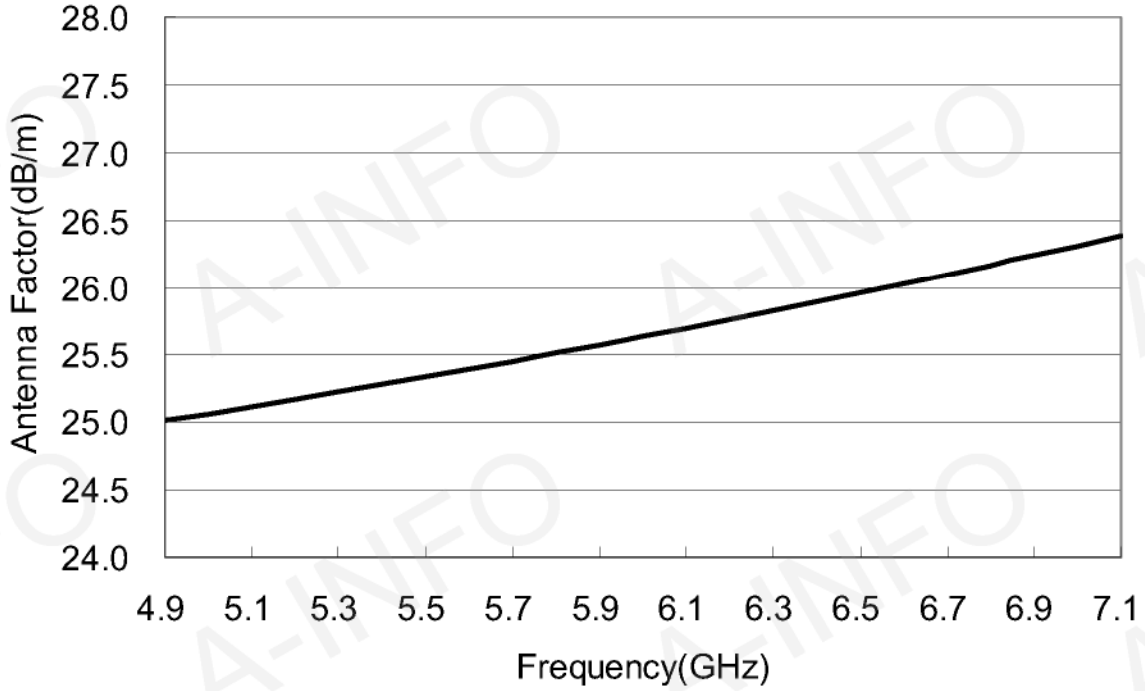


FDP58

Test Results

1. Gain and Antenna Factor

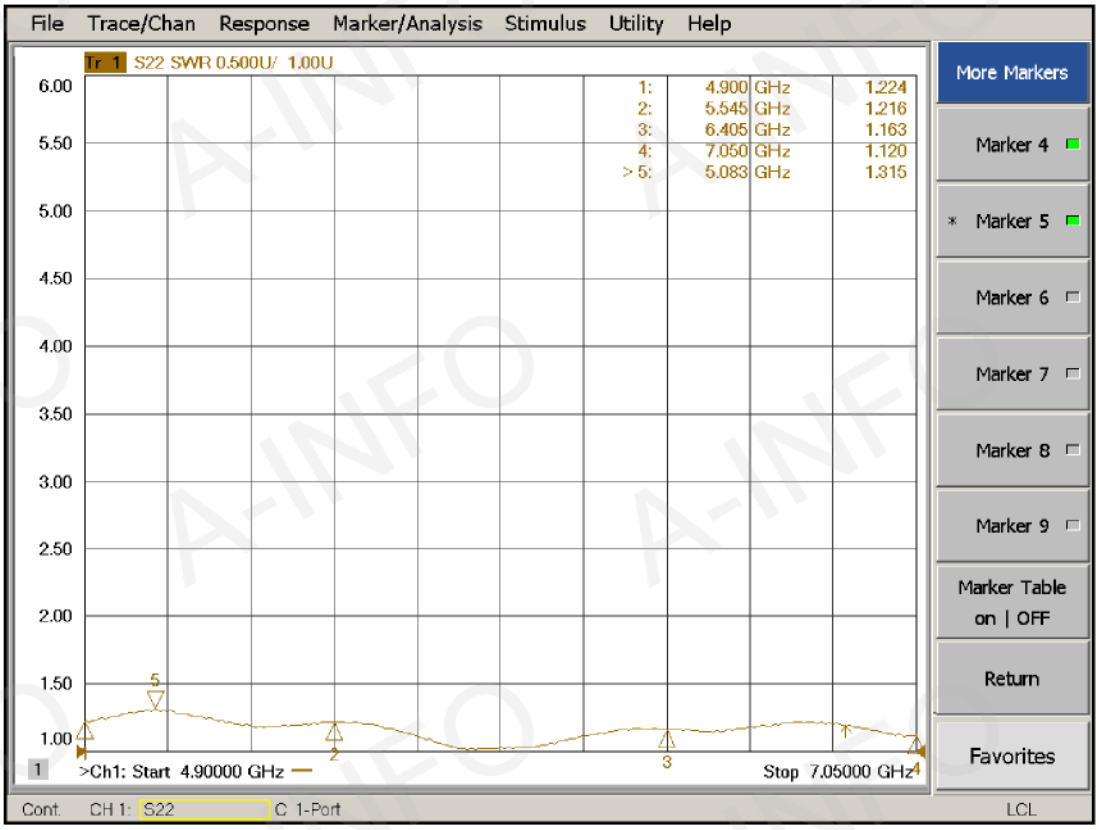




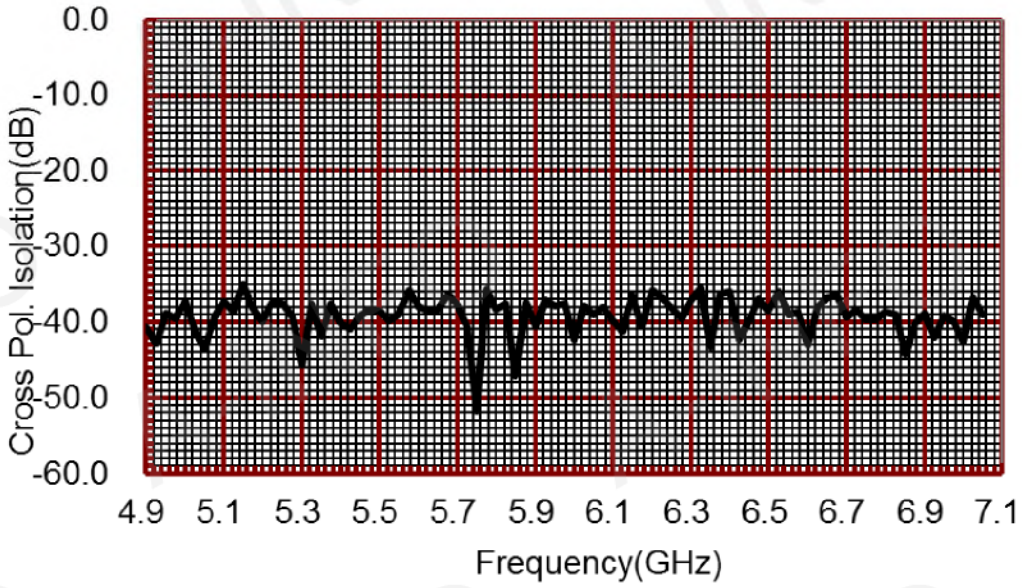
Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
4.9	19.00	25.01
5.0	19.13	25.06
5.1	19.25	25.11
5.2	19.36	25.17
5.3	19.47	25.22
5.4	19.58	25.28
5.5	19.68	25.34
5.6	19.78	25.39
5.7	19.88	25.45
5.8	19.97	25.51
5.9	20.06	25.57
6.0	20.14	25.63

Frequency (GHz)	Gain (dB)	Antenna Factor (dB/m)
6.1	20.22	25.70
6.2	20.30	25.76
6.3	20.37	25.82
6.4	20.44	25.89
6.5	20.51	25.96
6.6	20.58	26.03
6.7	20.64	26.09
6.8	20.70	26.16
6.9	20.75	26.23
7.0	20.81	26.31
7.1	20.86	26.38

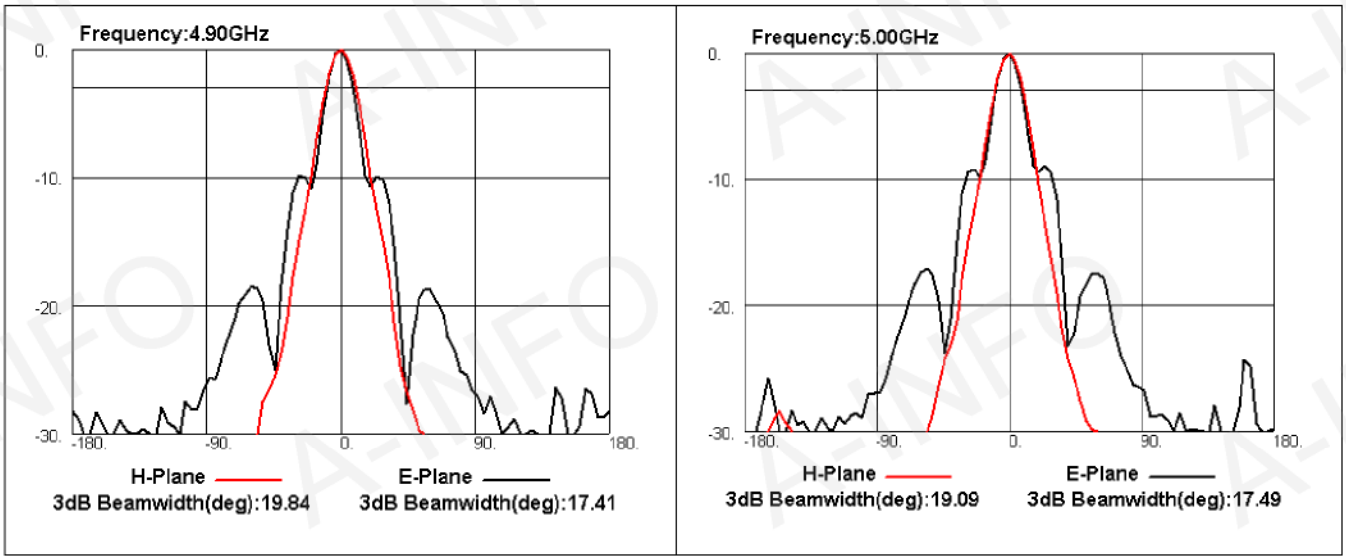
2. VSWR



3. Cross Polarization Isolation

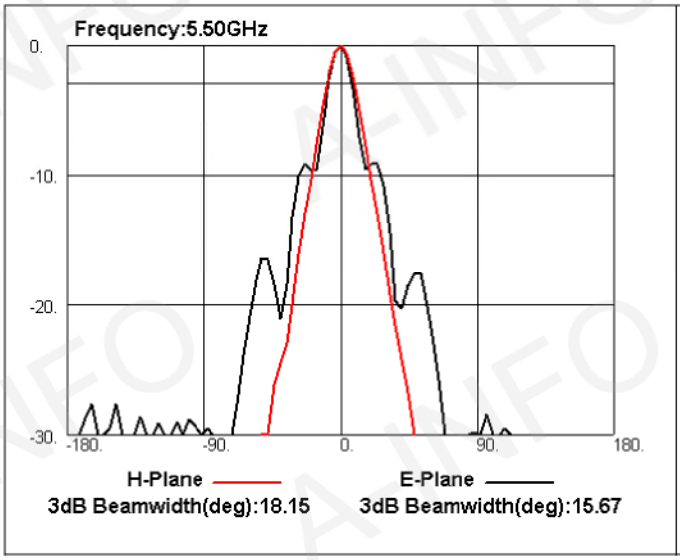


4. Pattern

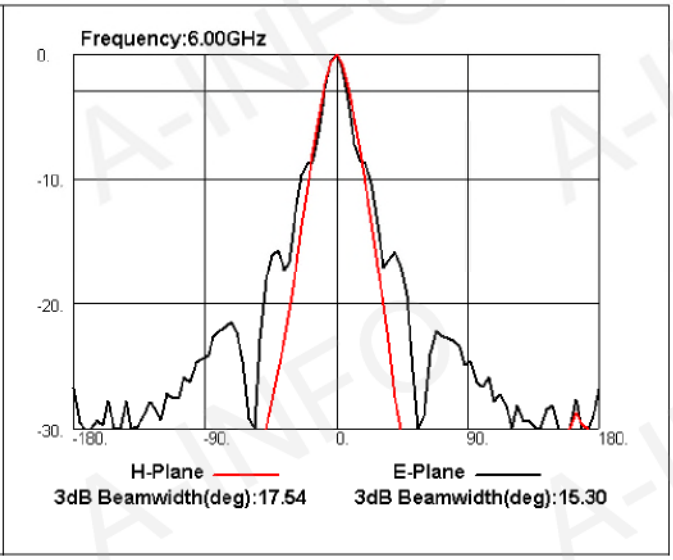


A-INFO

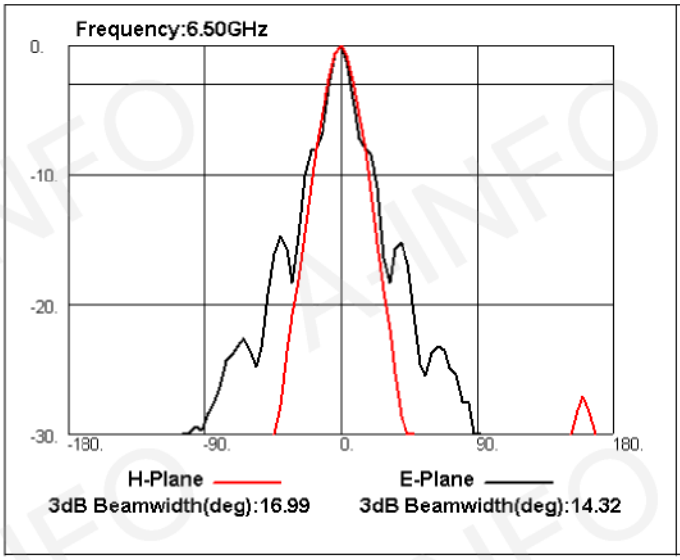
LB-159-20-C-SF S/N:J202023416
4.90 - 7.05GHz Standard Gain Horn Antenna



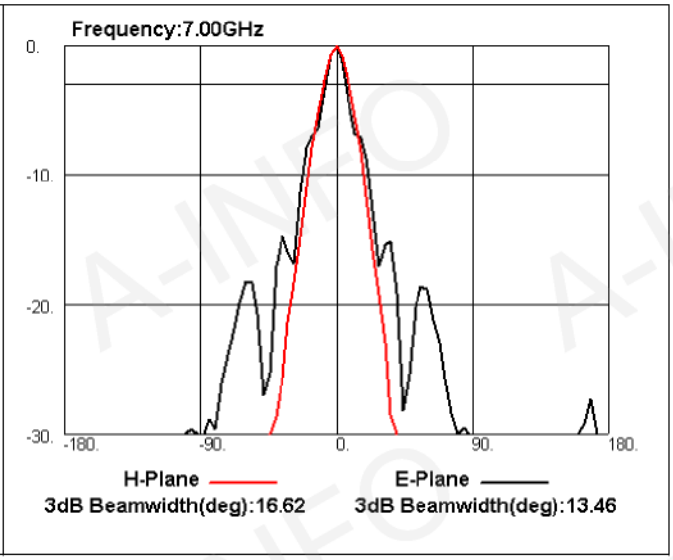
3dB Beamwidth(deg):18.15 3dB Beamwidth(deg):15.67



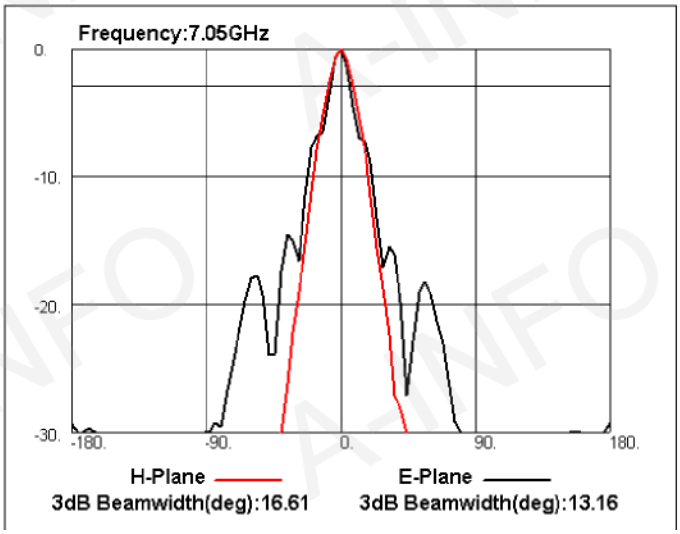
3dB Beamwidth(deg):17.54 3dB Beamwidth(deg):15.30



3dB Beamwidth(deg):16.99 3dB Beamwidth(deg):14.32



3dB Beamwidth(deg):16.62 3dB Beamwidth(deg):13.46



3dB Beamwidth(deg):16.61 3dB Beamwidth(deg):13.16

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