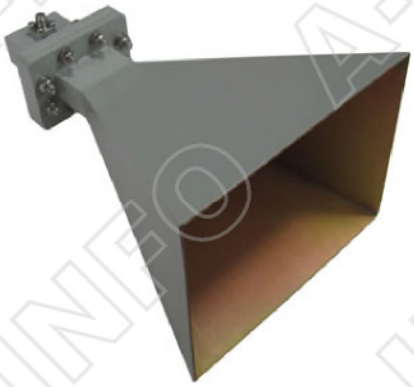
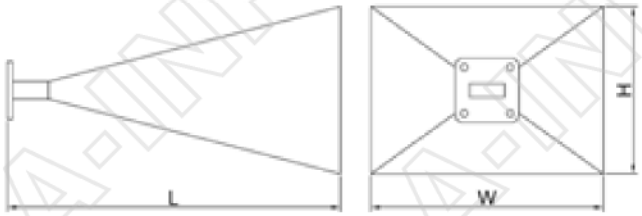
Technical Specification



Frequency Range(GHz)	5.85 - 8.20
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR137
Material	Al
Output	A Type: FDP70 C Type: N-F or SMA-F
Size(mm) W x H x L	A Type: 143x113x170 C Type: 143x113x218
Net Weight(Kg)	A Type: 0.3 Around C Type: 0.4 Around

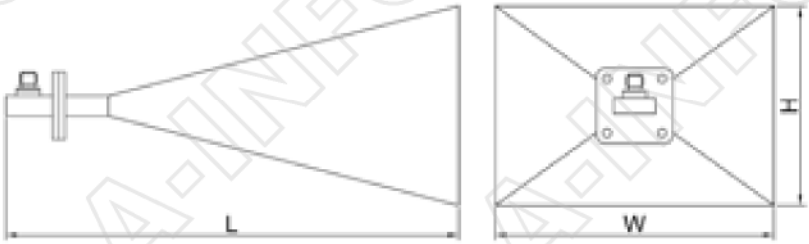
Outline Drawing (Size: mm)

A Type



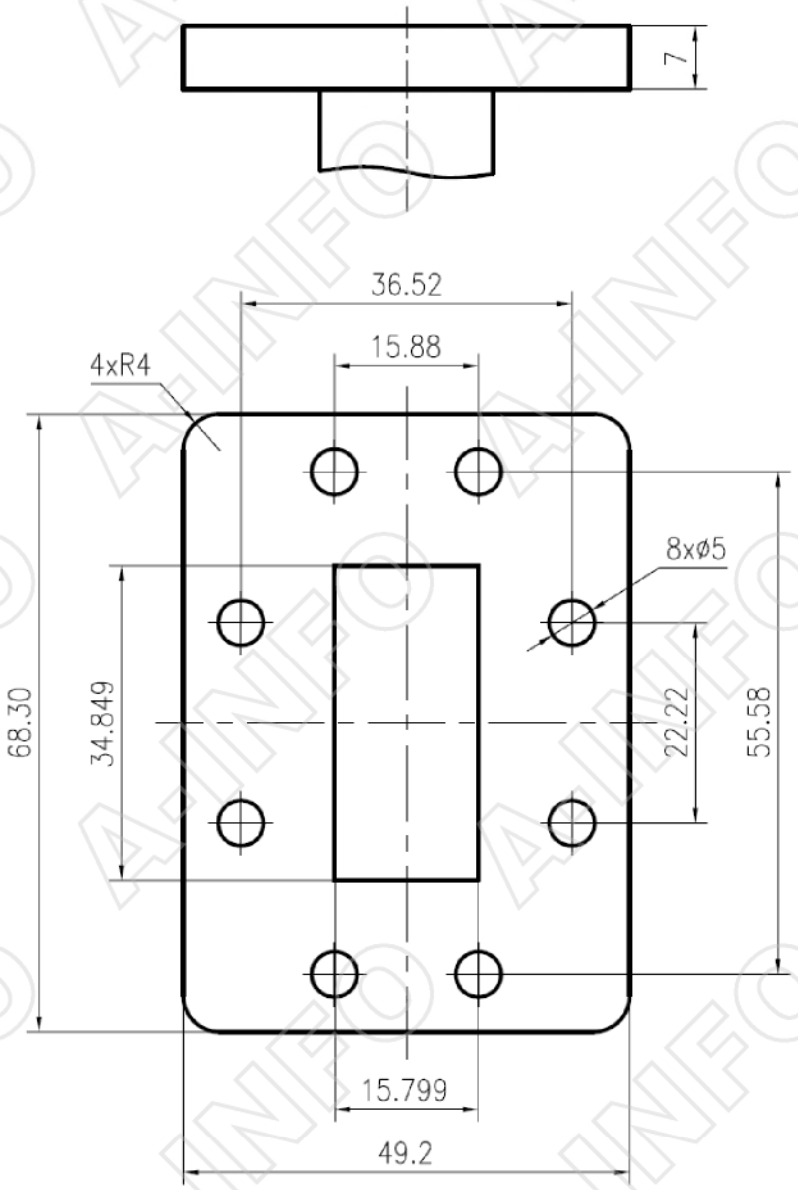
W x H x L: 143x113x170

C Type



W x H x L: 143x113x218

Flange Drawing (Size: mm)

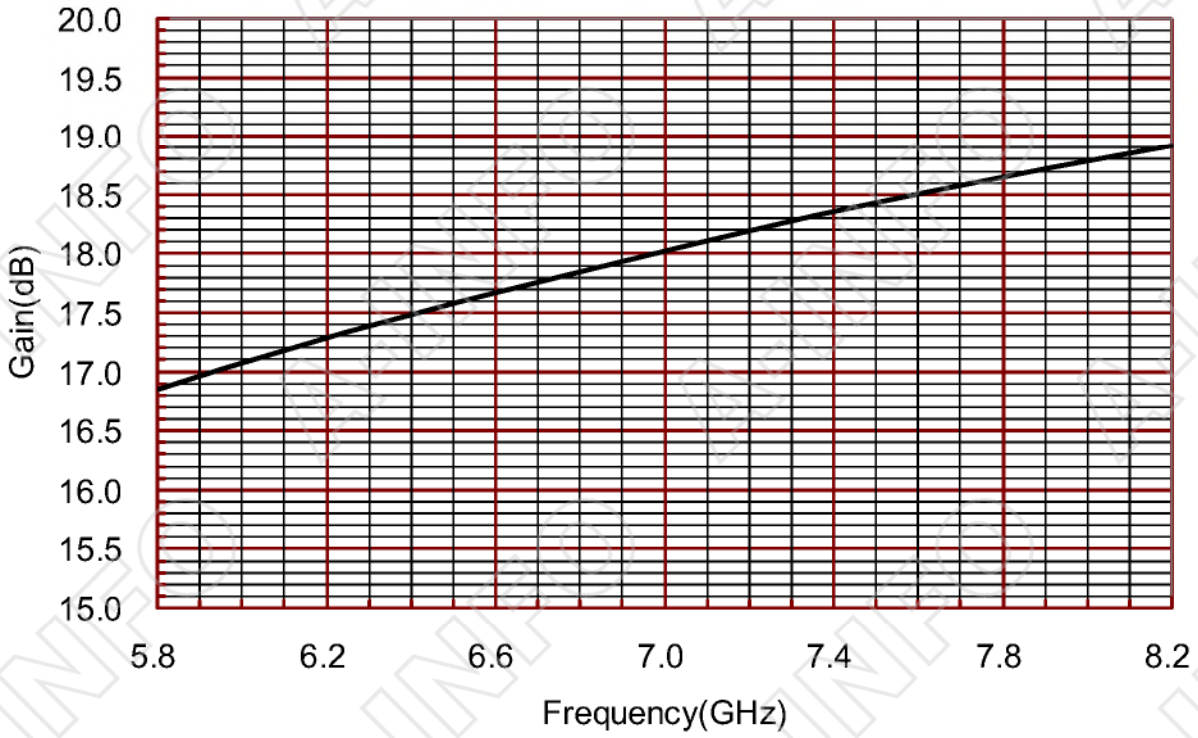


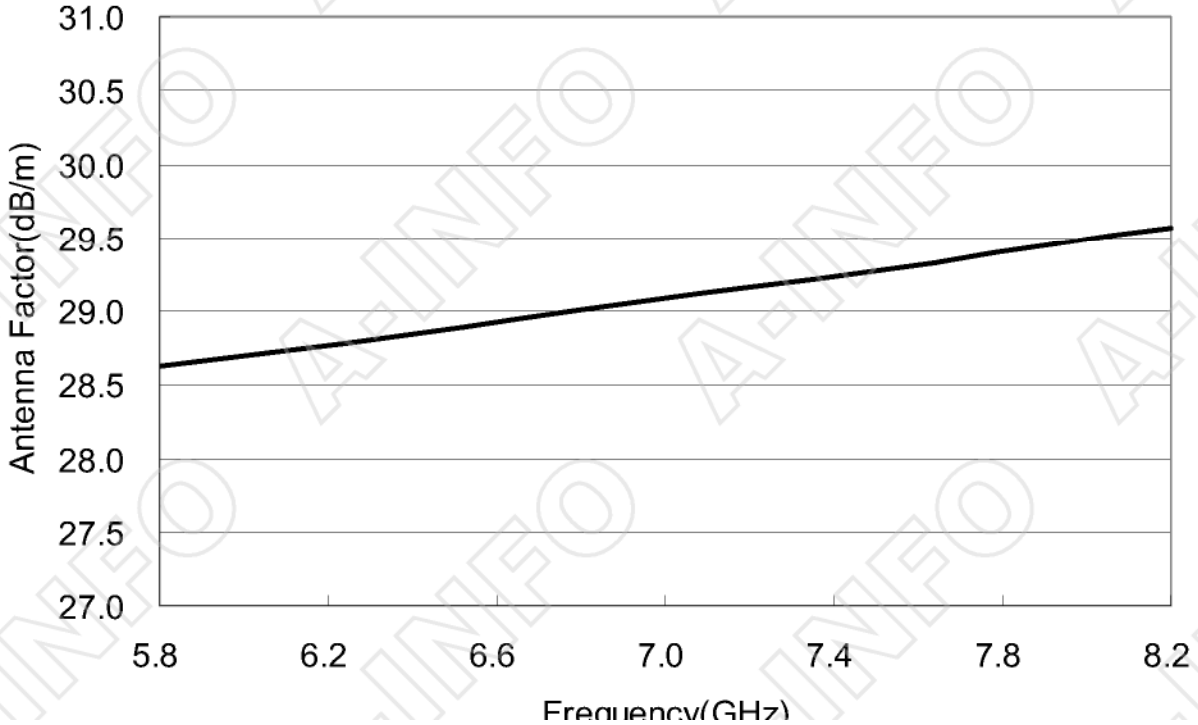
FDP70

Distributed by: Reliant EMC LLC, Tel. +408-320-9644/+408-916-5750, www.reliantemc.com

Test Results

1. Gain and Antenna Factor

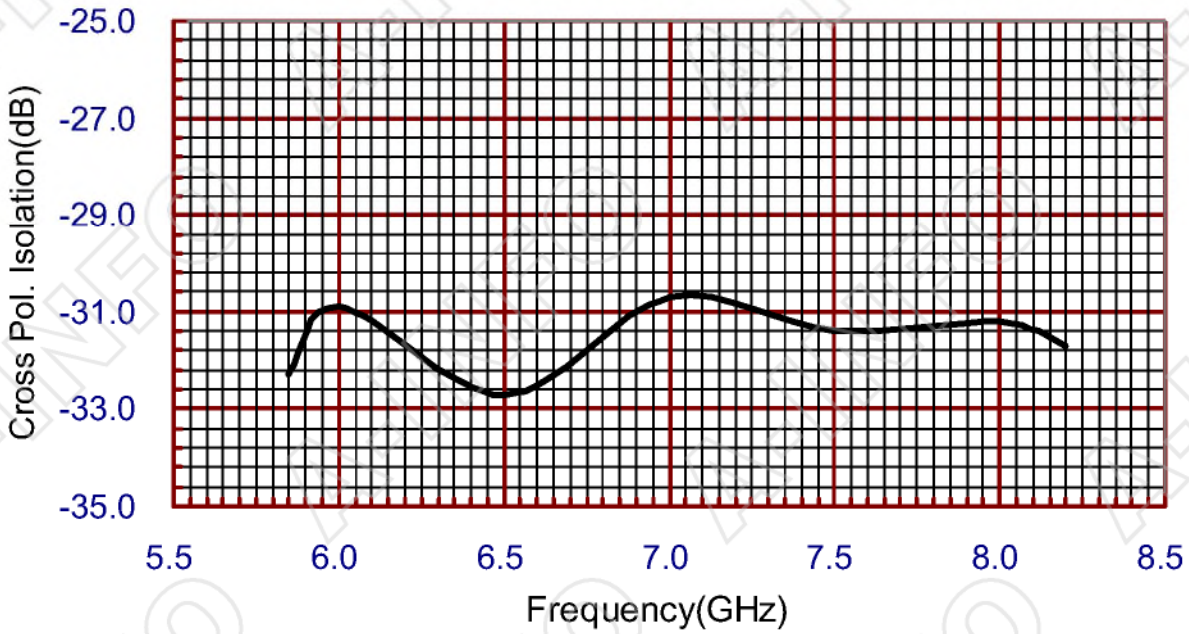




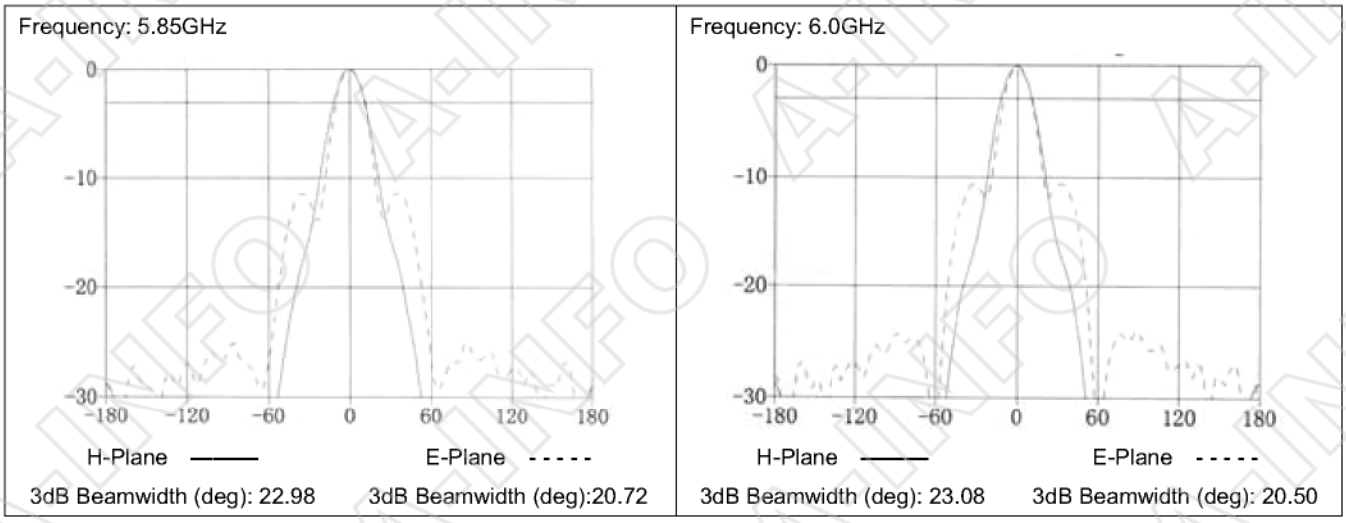
Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
5.68	16.71	28.59
5.96	17.03	28.68
6.24	17.33	28.78
6.52	17.60	28.89
6.80	17.85	29.01
7.08	18.09	29.12
7.36	18.33	29.22
7.64	18.54	29.33
7.92	18.73	29.45
8.20	18.92	29.57

2. VSWR

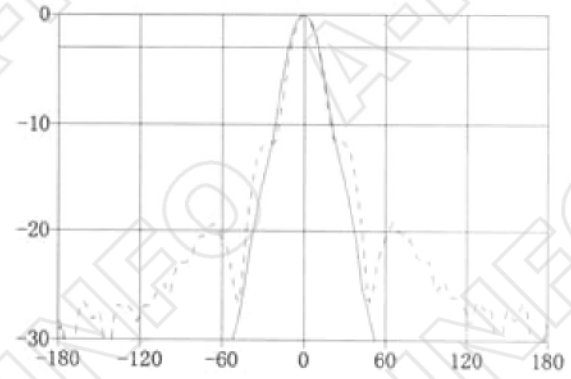
3. Cross Polarization Isolation



4. Pattern



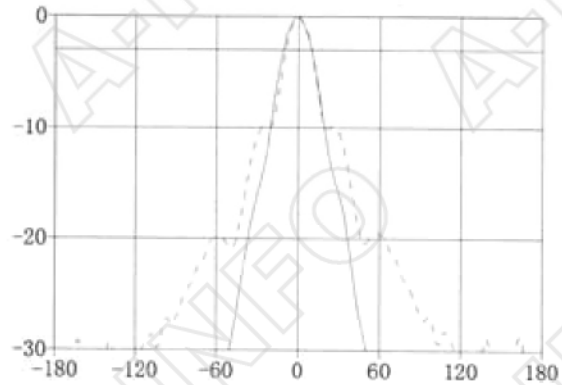
Frequency: 6.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 21.63 3dB Beamwidth (deg):19.78

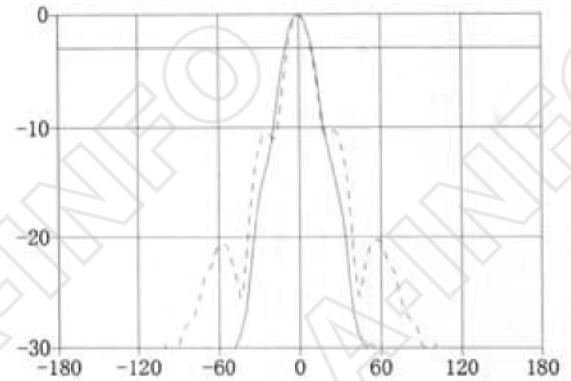
Frequency: 7.0GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 20.60 3dB Beamwidth (deg): 18.93

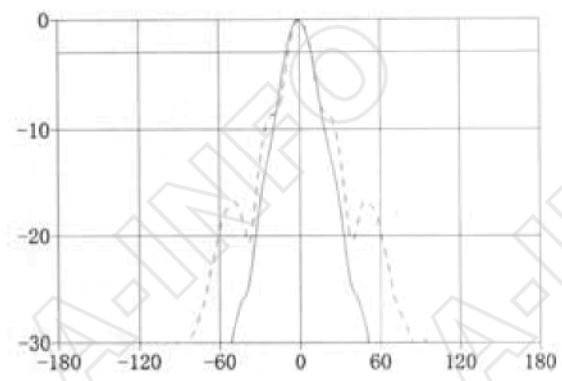
Frequency: 7.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 19.38 3dB Beamwidth (deg): 17.22

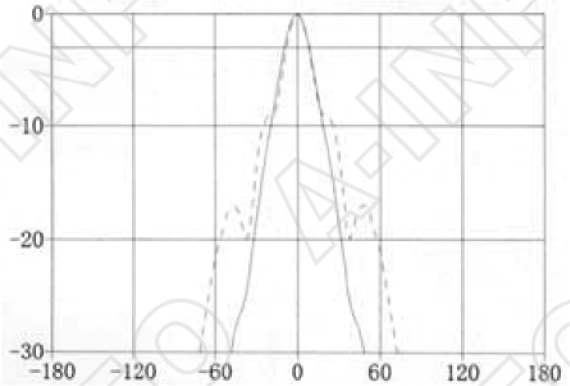
Frequency: 8.0GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 18.46 3dB Beamwidth (deg): 16.69

Frequency: 8.2GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 18.19 3dB Beamwidth (deg): 16.44