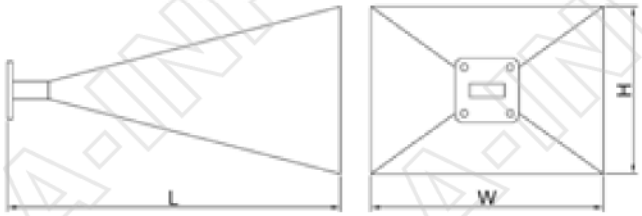
Technical Specification

Frequency Range(GHz)	12.4 - 18.0
Gain(dB)	20 Typ.
3dB Beamwidth(deg)	18 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: 93x72x135 C Type: 93x72x162
Net Weight(Kg)	A Type: 0.10 Around C Type: 0.15 Around

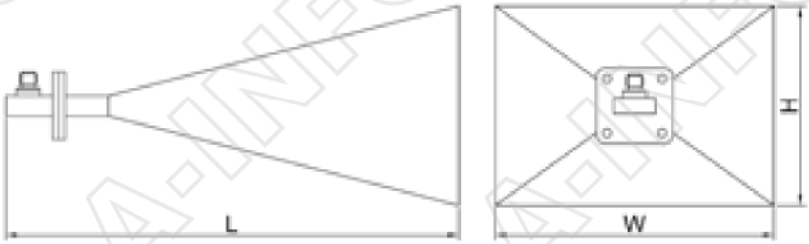
Outline Drawing (Size: mm)

A Type



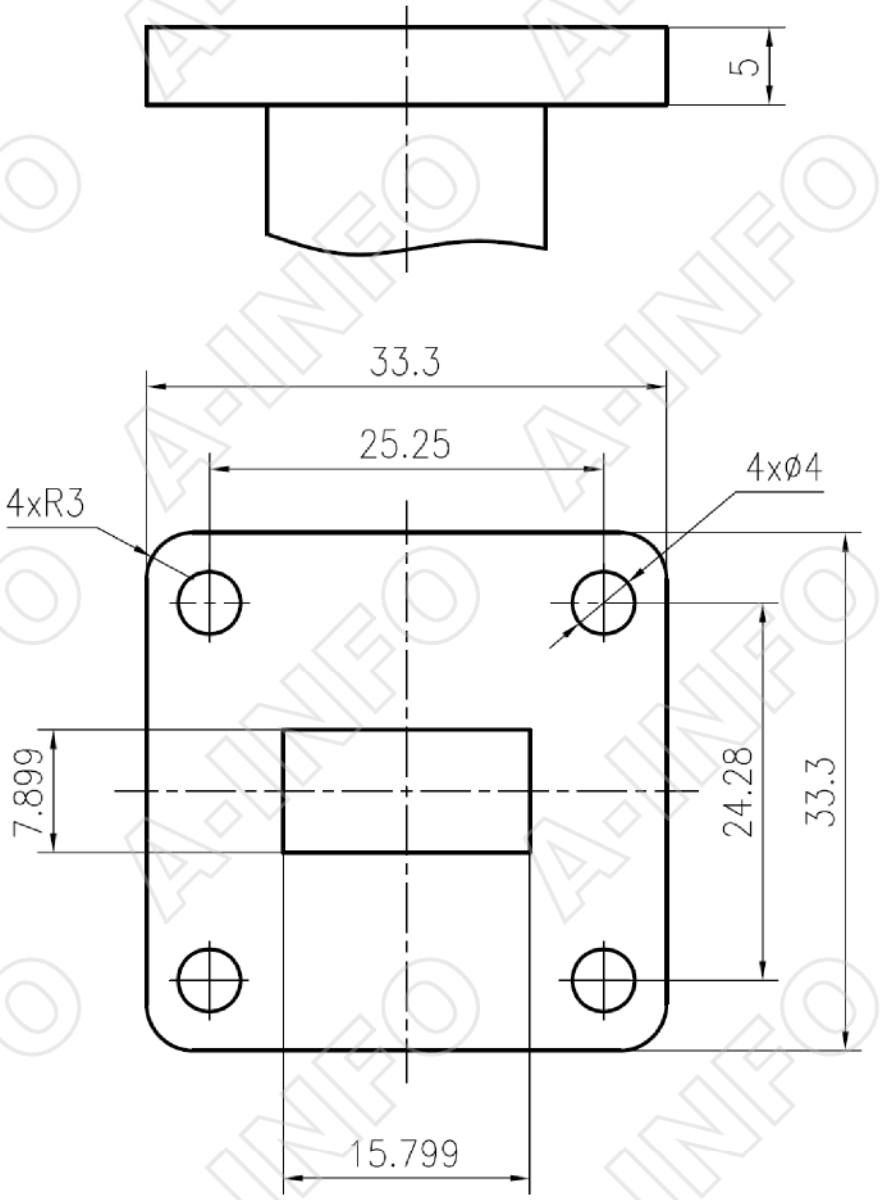
W x H x L: 93x72x135

C Type



W x H x L: 93x72x162

Flange Drawing (Size: mm)

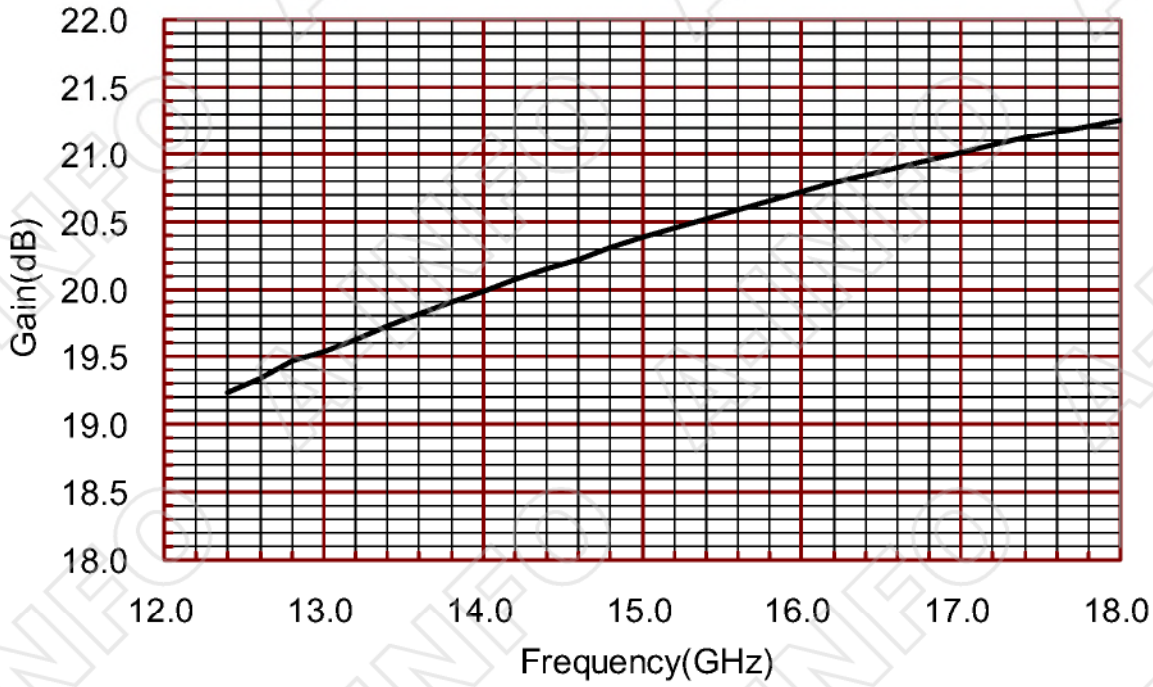


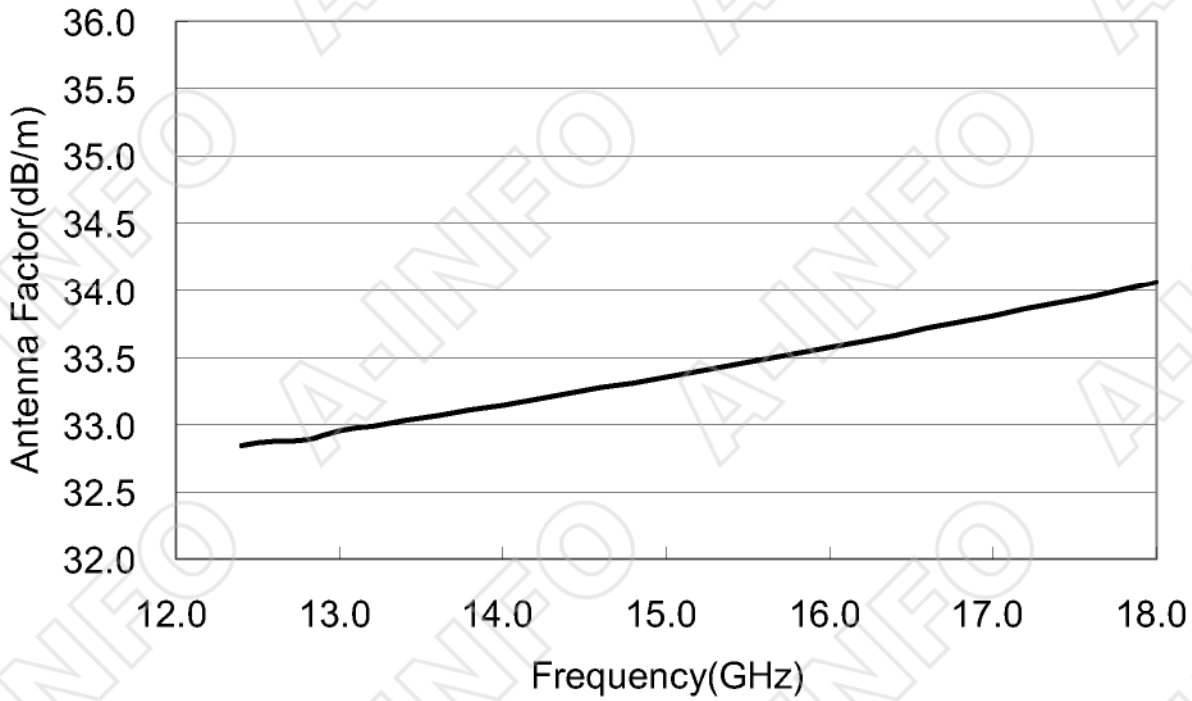
FBP140

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

Test Results

1. Gain and Antenna Factor

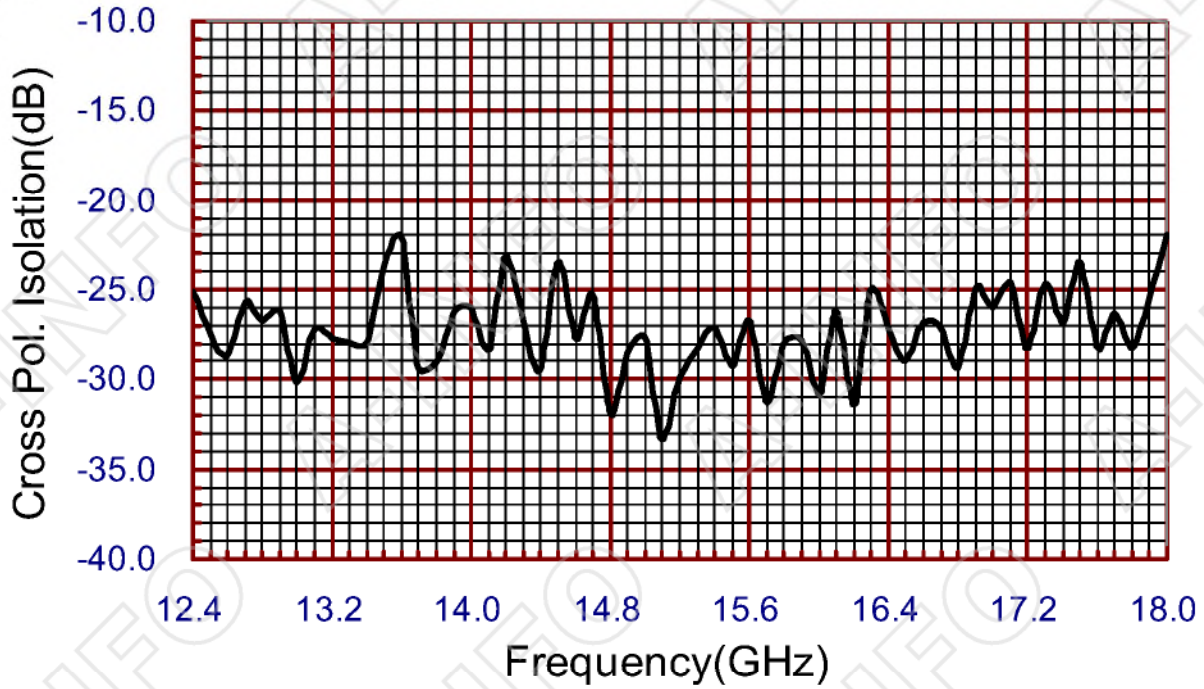




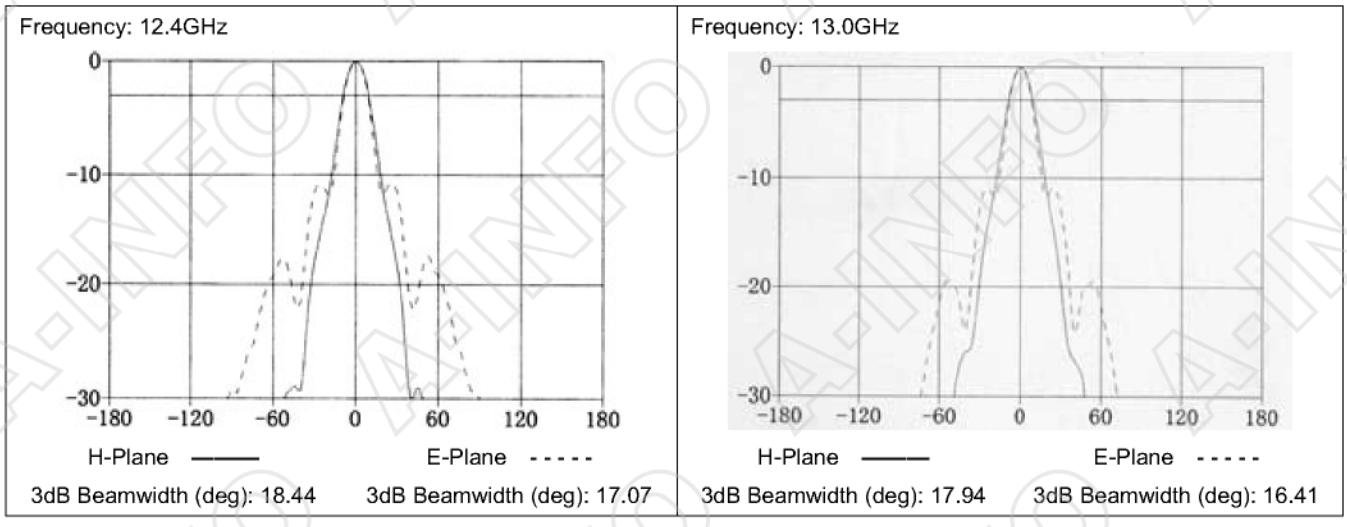
Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
12.40	19.24	32.84
12.80	19.47	32.88
13.20	19.63	32.99
13.60	19.82	33.07
14.00	19.99	33.14
14.40	20.15	33.23
14.80	20.31	33.31
15.20	20.45	33.39
15.60	20.59	33.48
16.00	20.72	33.57
16.40	20.84	33.67
16.80	20.96	33.76
17.20	21.06	33.86
17.60	21.17	33.96
18.00	21.26	34.06

2. VSWR

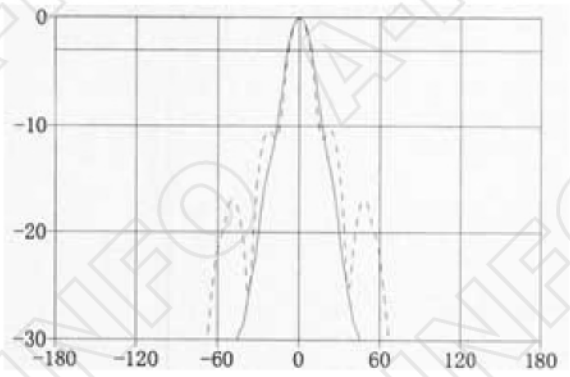
3. Cross Polarization Isolation



4. Pattern



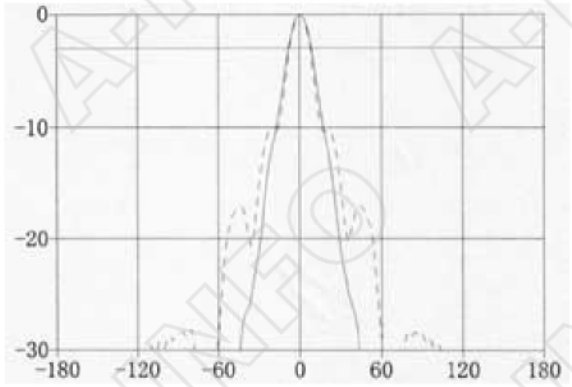
Frequency: 13.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 17.33 3dB Beamwidth (deg):15.40

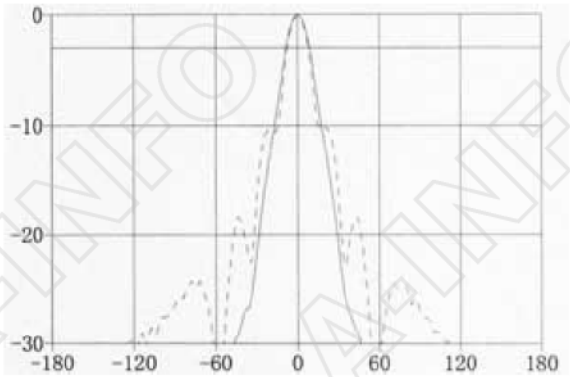
Frequency: 14.0GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 16.68 3dB Beamwidth (deg): 15.21

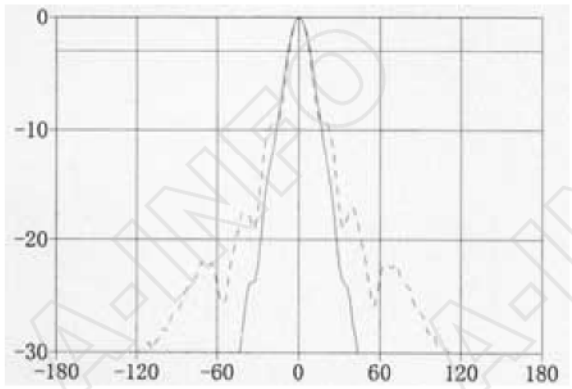
Frequency: 14.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 16.66 3dB Beamwidth (deg): 14.78

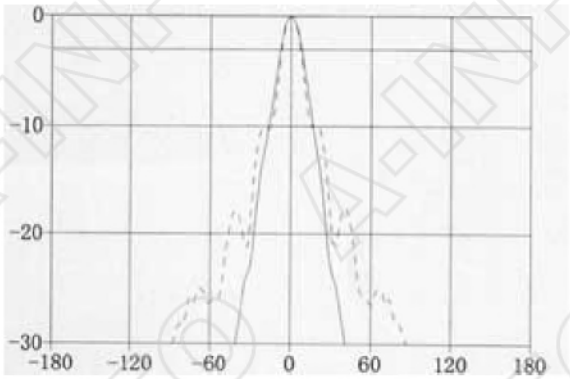
Frequency: 15.0GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 16.23 3dB Beamwidth (deg):14.88

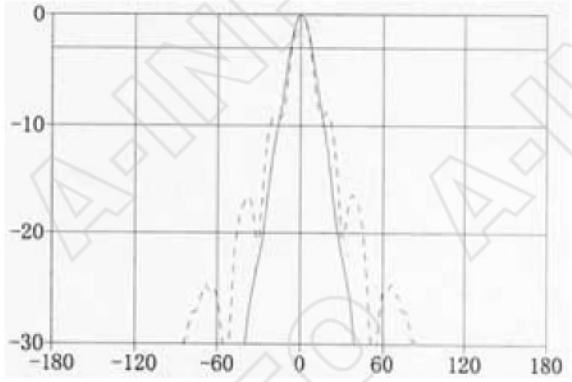
Frequency: 15.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 15.75 3dB Beamwidth (deg): 13.96

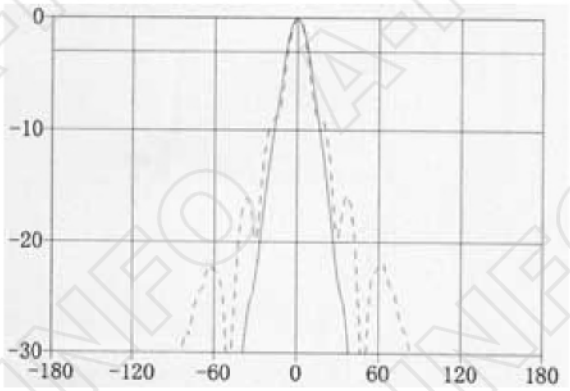
Frequency: 16.0GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 15.03 3dB Beamwidth (deg): 13.49

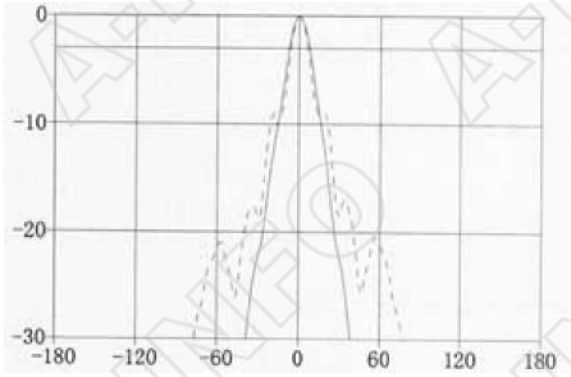
Frequency: 16.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 15.61 3dB Beamwidth (deg): 13.75

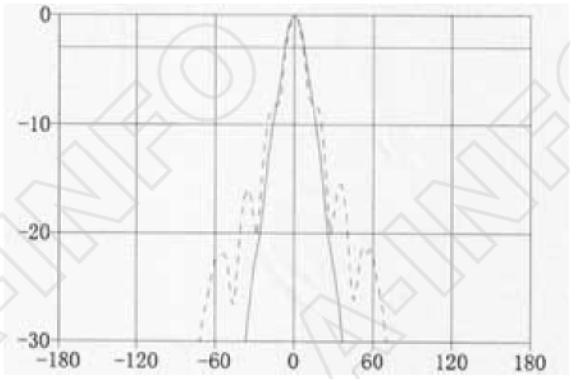
Frequency: 17.0GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 14.82 3dB Beamwidth (deg): 12.83

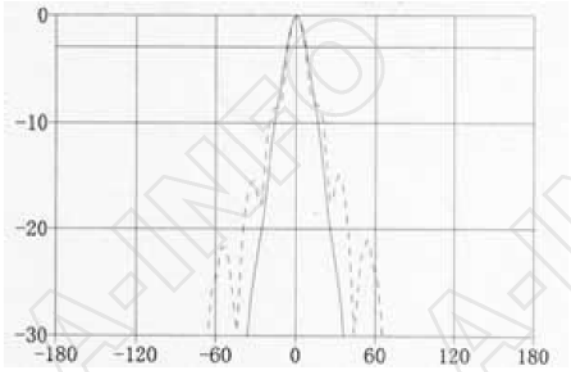
Frequency: 17.5GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 14.41 3dB Beamwidth (deg): 12.77

Frequency: 18.0GHz



H-Plane ——— E-Plane - - - - -

3dB Beamwidth (deg): 14.31 3dB Beamwidth (deg): 12.55