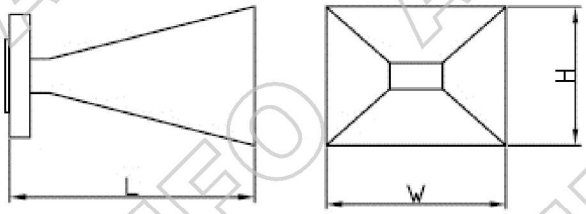
Technical Specification

Frequency Range(GHz)	75.0 - 110.0
Gain(dB)	15 Typ.
3dB Beamwidth(deg)	30 Typ.
Waveguide	WR10
Material	Cu
Output	A Type: FUGP900
Size(mm) W x H x L	A Type: 10.4x7.9x25
Net Weight(Kg)	A Type: 0.02 Around

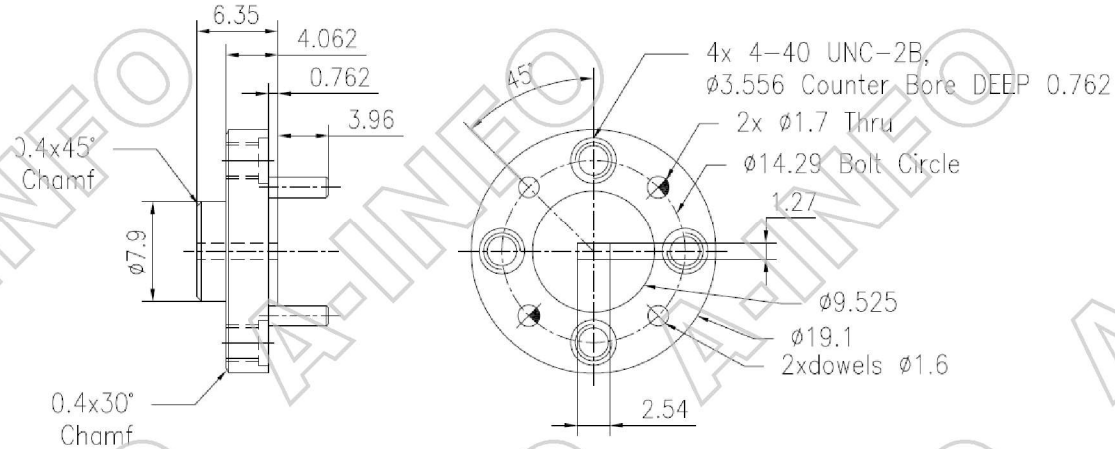
Outline Drawing (Size: mm)

A Type



W x H x L: 10.4x7.9x25

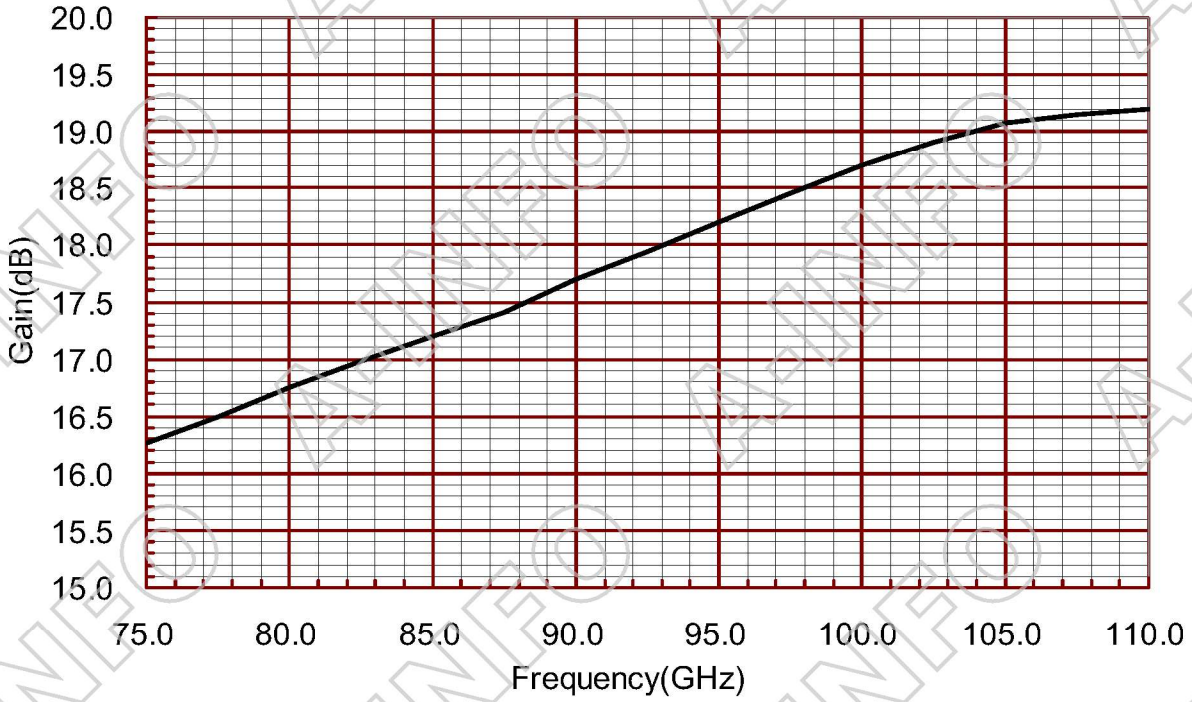
Flange Drawing (Size: mm)

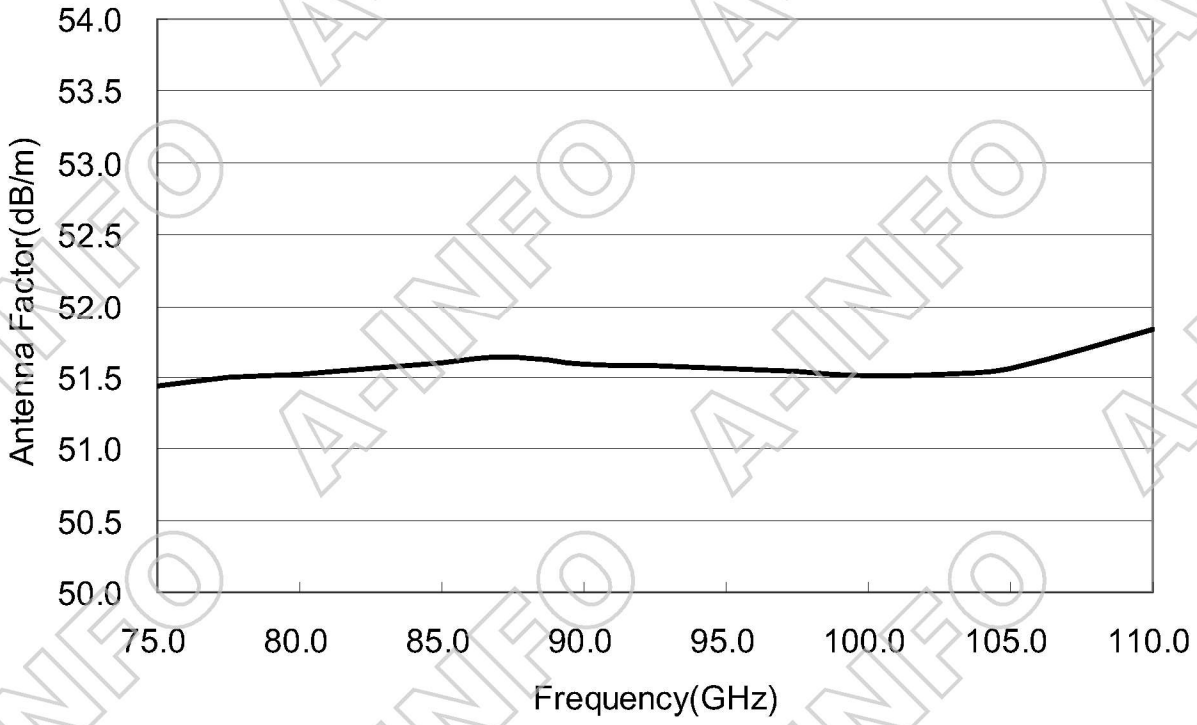


FUGP900
(equivalent to UG-387/U modified)

Test Results

1. Gain & Antenna Factor

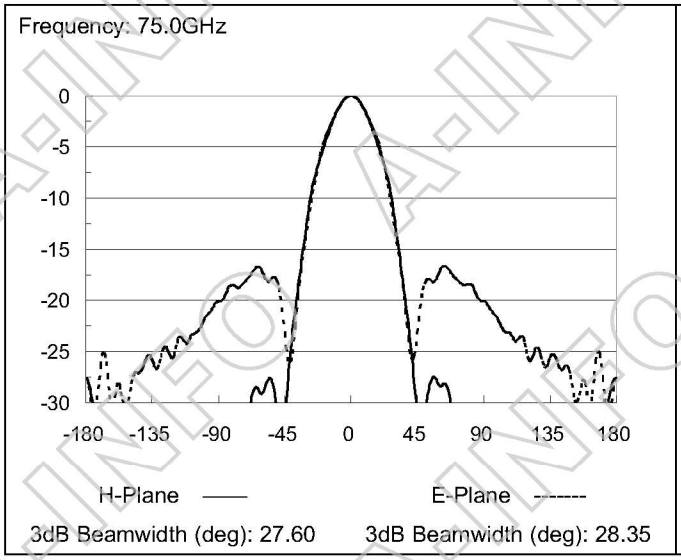


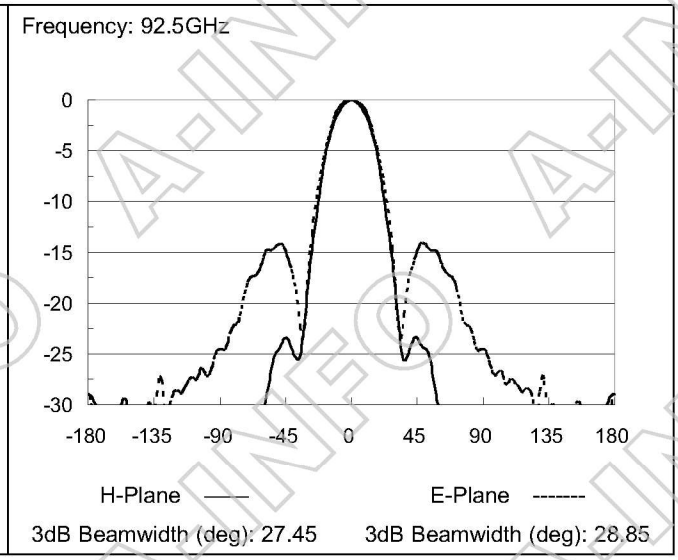


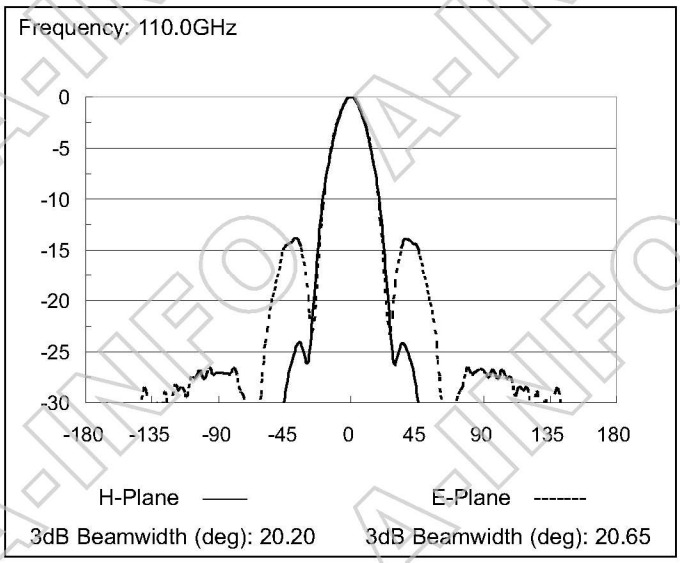
A-INFO

Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
75.0	16.27	51.44
77.5	16.50	51.50
80.0	16.75	51.52
82.5	16.98	51.56
85.0	17.20	51.60
87.5	17.41	51.64
90.0	17.70	51.59
92.5	17.95	51.58
95.0	18.20	51.56
97.5	18.45	51.54
100.0	18.70	51.51
102.5	18.91	51.51
105.0	19.07	51.56
107.5	19.15	51.69
110.0	19.20	51.84

2. Pattern






Frequency: 110.0GHz
0
-5
-10
-15
-20
-25
-30
-180
-135
-90
-45
0
45
90
135
180
H-Plane
E-Plane
3dB Beamwidth (deg): 20.20
3dB Beamwidth (deg): 20.65