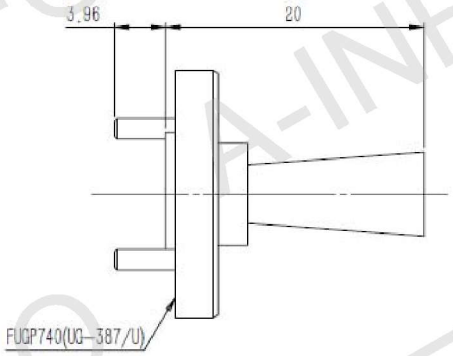
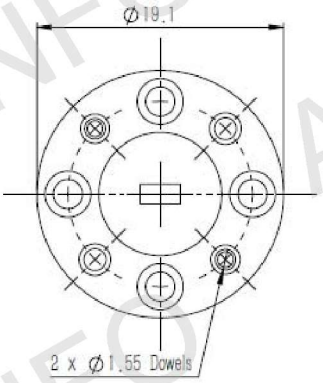
Technical Specification

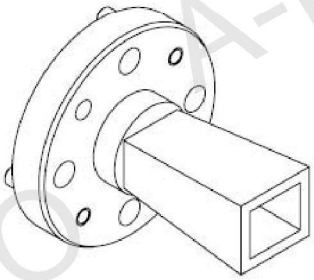
Frequency Range(GHz)	60.0 - 90.0
Waveguide	WR12
Gain(dBi)	10 Typ.
Polarization	Linear
3dB Beamwidth(deg)	55 Typ.
VSWR	1.20:1 Typ.
Output	FUGP740 (UG-387/U)
Material	Cu
Size(mm)	19.1 x 19.1 x 20
Net Weight(Kg)	0.01 Around

Outline Drawing (Size: mm)

A Type (With FUGP740 Output)

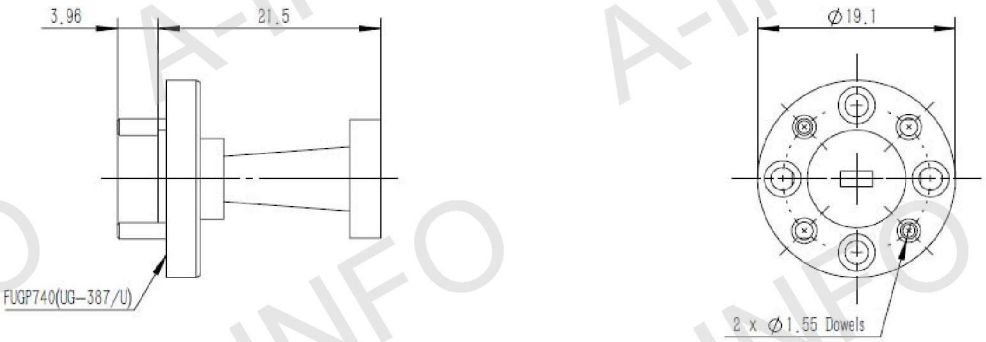


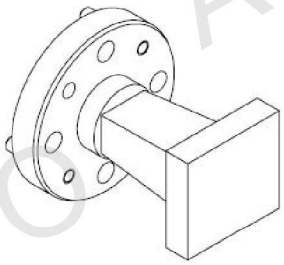




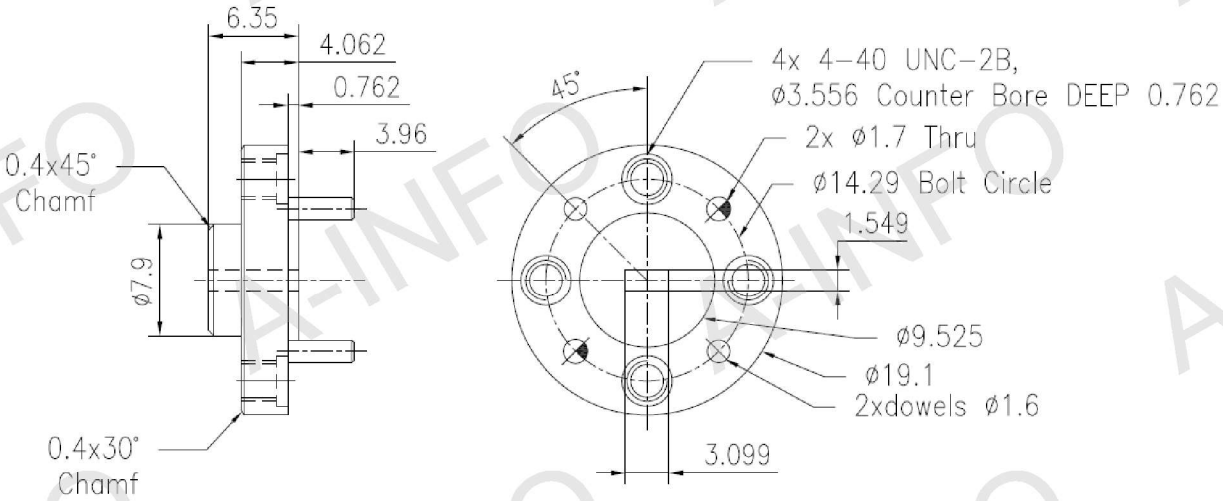
A-INFO

A Type(With Radome)





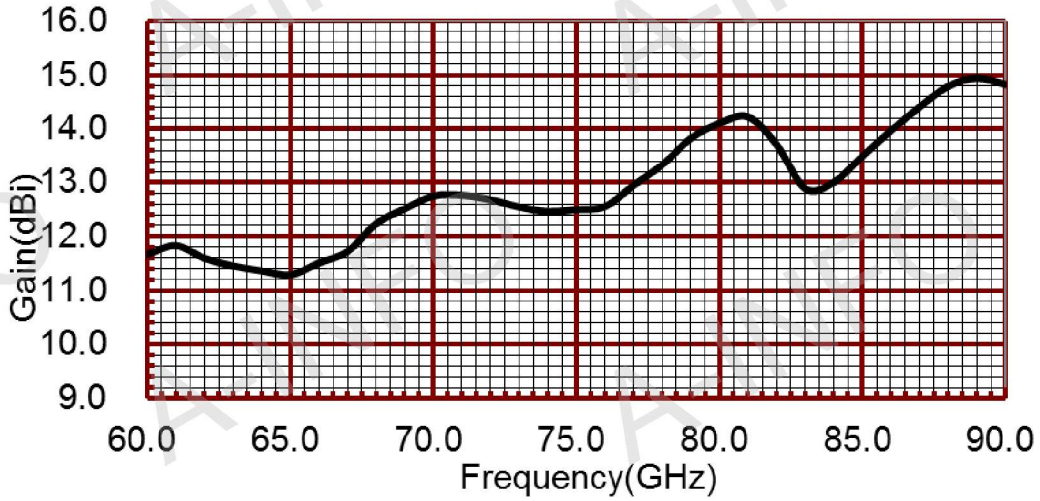
Flange Drawing (Size: mm)

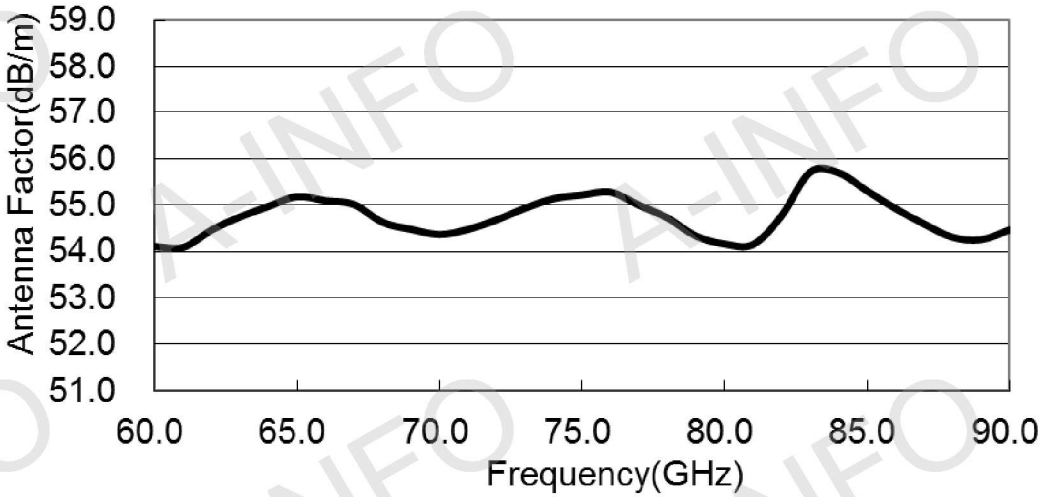


FUGP740
(equivalent to UG-387/U)

Test Results

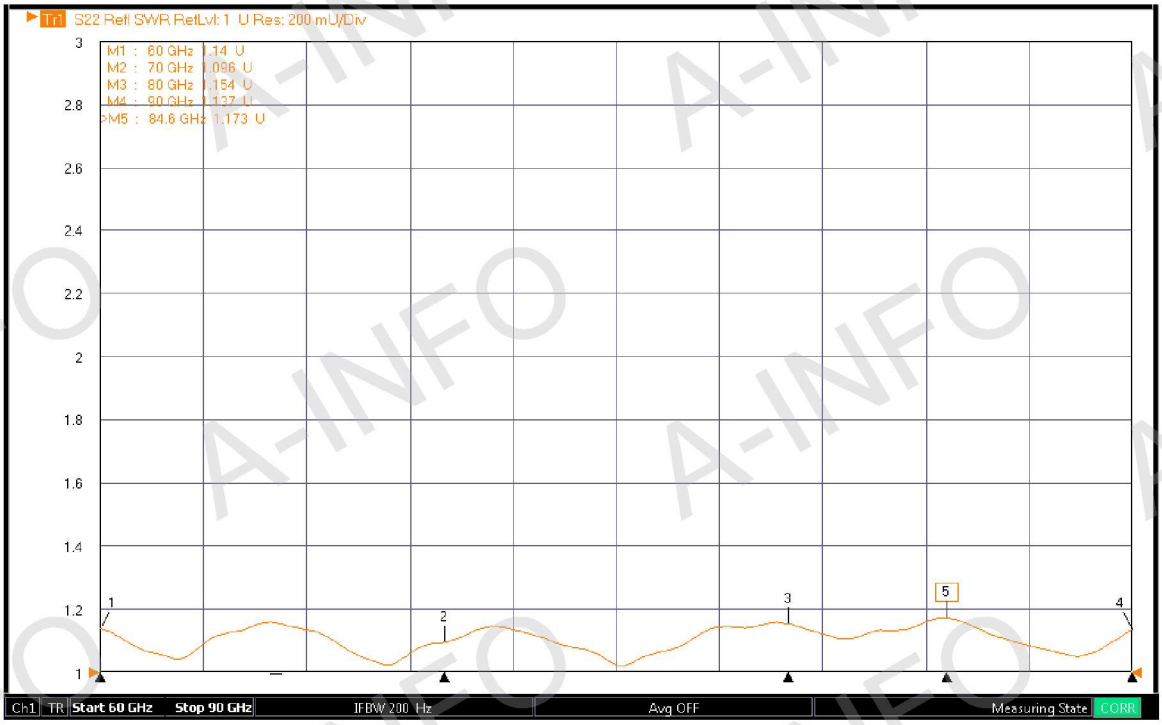
1. Gain & Antenna Factor



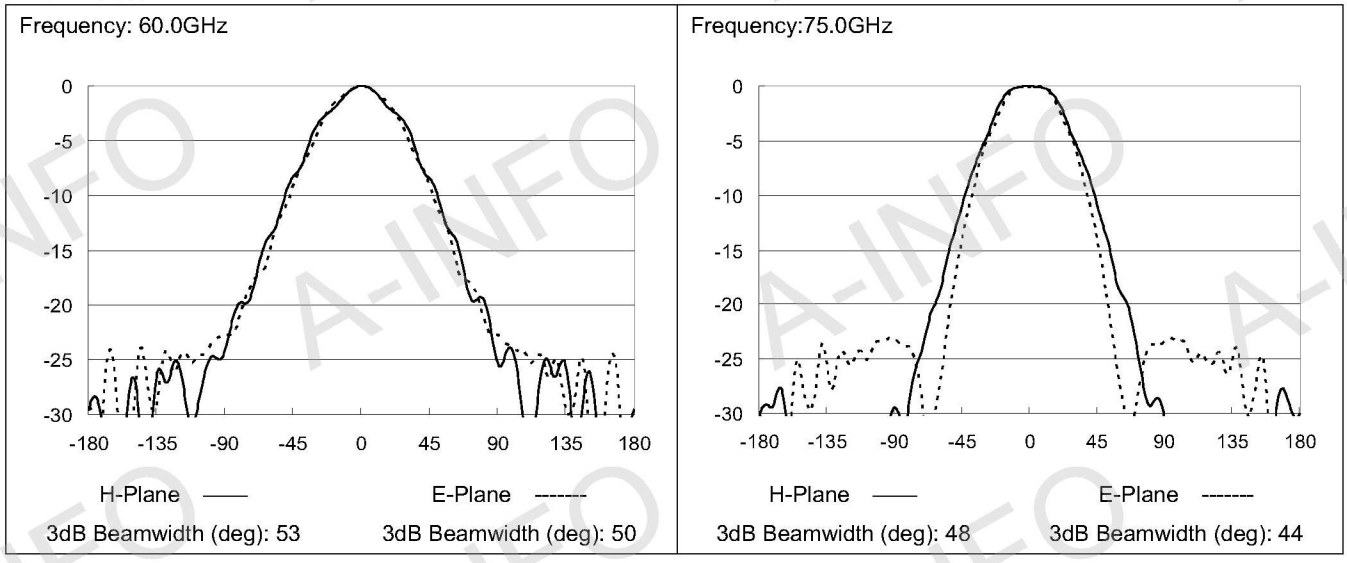


Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
60	11.67	54.11
61	11.83	54.09
62	11.59	54.46
63	11.45	54.75
64	11.36	54.97
65	11.29	55.18
66	11.51	55.09
67	11.72	55.01
68	12.23	54.63
69	12.51	54.48
70	12.74	54.37
71	12.76	54.48
72	12.68	54.68
73	12.54	54.93
74	12.46	55.14
75	12.49	55.22
76	12.55	55.28
77	12.94	55.00
78	13.33	54.72
79	13.83	54.33
80	14.11	54.16
81	14.23	54.15
82	13.71	54.77
83	12.88	55.71
84	13.00	55.70
85	13.50	55.30
86	13.98	54.92
87	14.41	54.59
88	14.79	54.31
89	14.94	54.26
90	14.83	54.47

2. VSWR



3. Pattern



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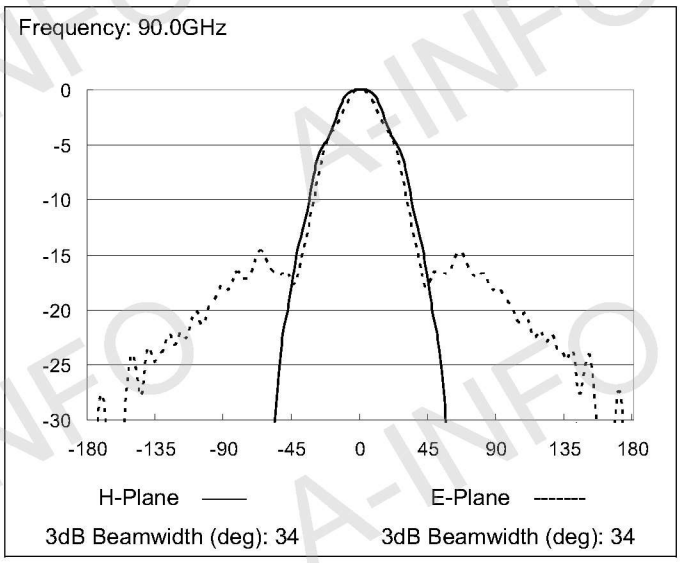
Frequency: 90.0GHz
0
-5
-10
-15
-20
-25
-30
-180
-135
-90
-45
0
45
90
135
180
H-Plane
E-Plane
3dB Beamwidth (deg): 34
3dB Beamwidth (deg): 34