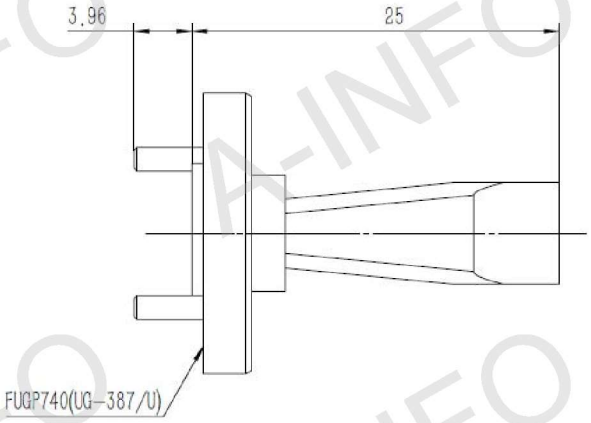
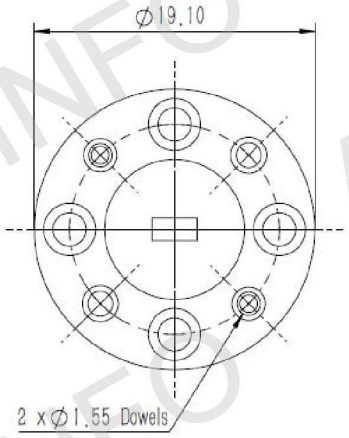
Technical Specification

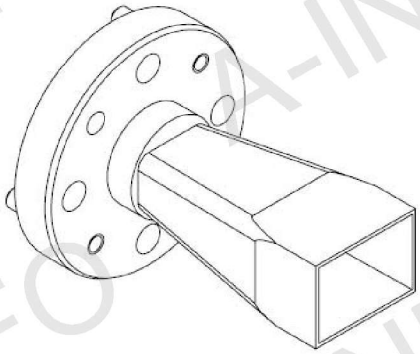
Frequency Range(GHz)	60.0 - 90.0
Waveguide	WR12
Gain(dBi)	15 Typ.
Polarization	Linear
3dB Beamwidth(deg)	30 Typ.
VSWR	1.20:1 Typ.
Output	FUGP740 (UG-387/U)
Material	Cu
Size(mm)	19.1 x 19.1 x 25
Net Weight(Kg)	0.01 Around

Outline Drawing (Size: mm)

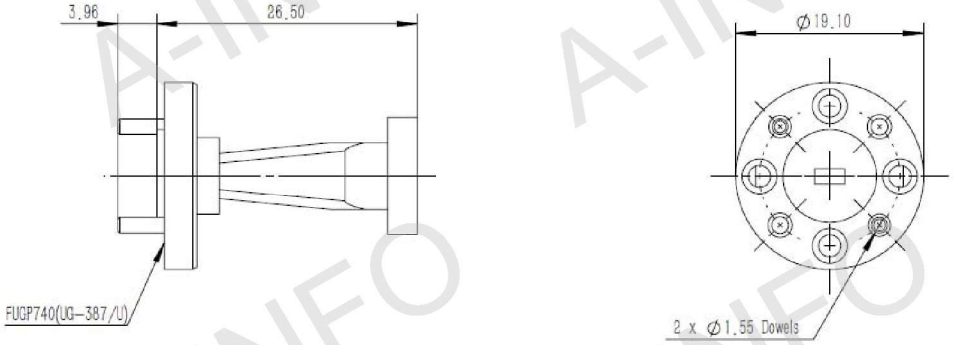
A Type (With FUGP740 Output)

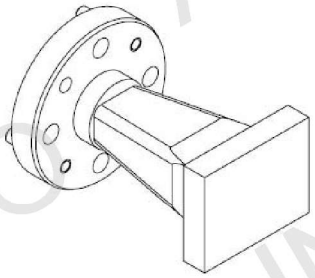




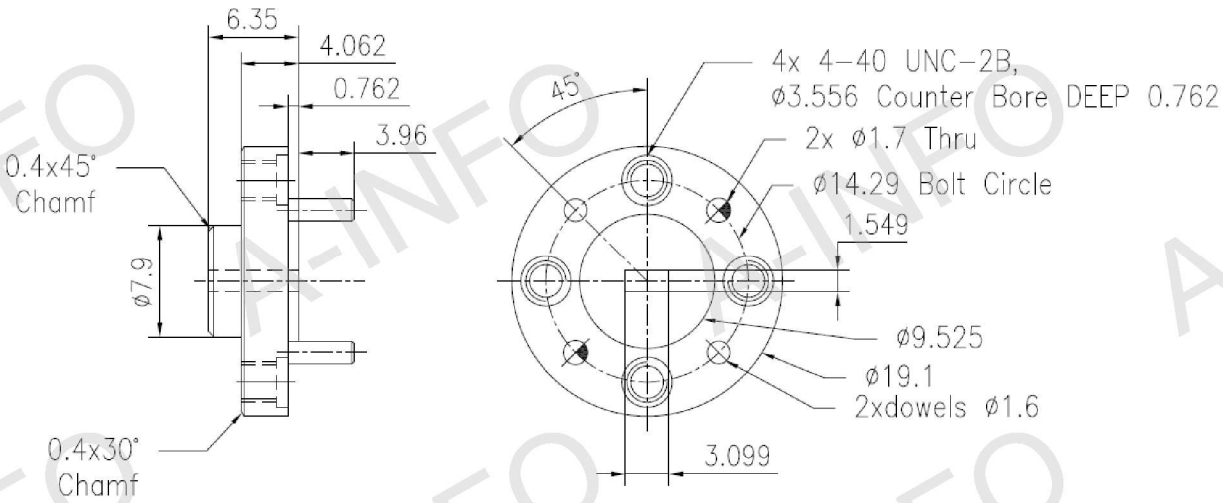


A Type(With Radome)





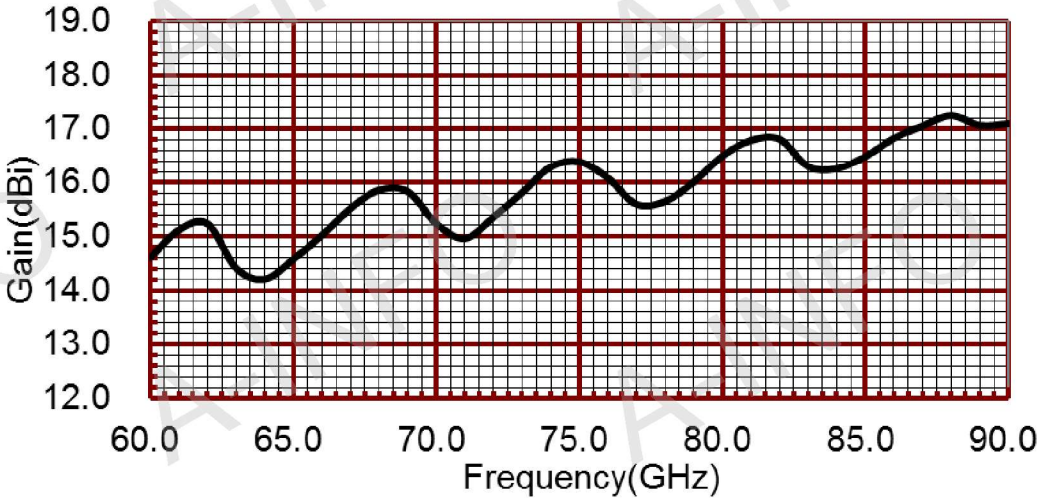
Flange Drawing (Size: mm)

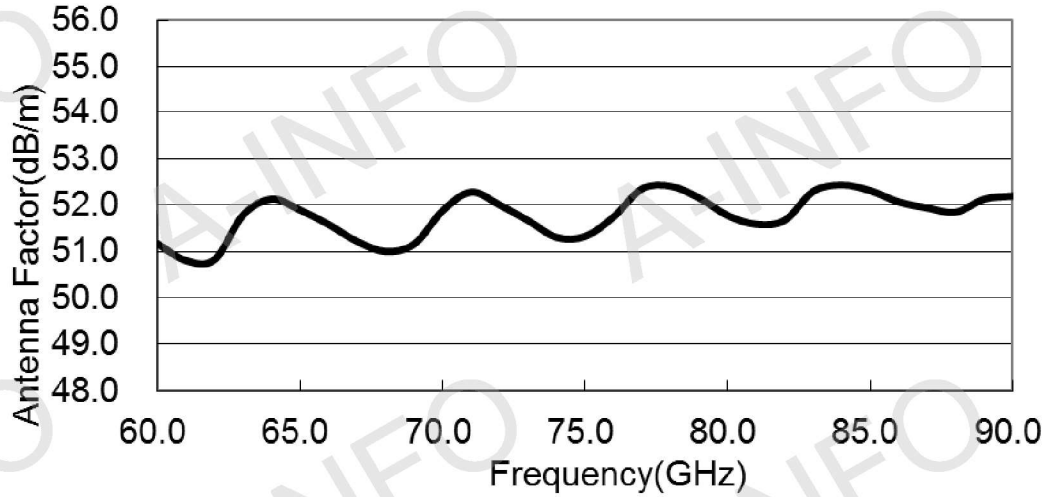


FUGP740
(equivalent to UG-387/U)

Test Results

1. Gain & Antenna Factor





Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
60	14.61	51.17
61	15.11	50.80
62	15.23	50.82
63	14.41	51.79
64	14.20	52.13
65	14.58	51.89
66	15.02	51.58
67	15.52	51.22
68	15.86	51.00
69	15.83	51.16
70	15.23	51.88
71	14.96	52.28
72	15.35	52.00
73	15.81	51.67
74	16.29	51.30
75	16.39	51.33
76	16.08	51.75
77	15.59	52.35
78	15.65	52.41
79	16.01	52.15
80	16.50	51.77
81	16.79	51.59
82	16.81	51.67
83	16.30	52.29
84	16.26	52.43
85	16.49	52.31
86	16.83	52.07
87	17.06	51.94
88	17.25	51.85
89	17.07	52.13
90	17.10	52.19

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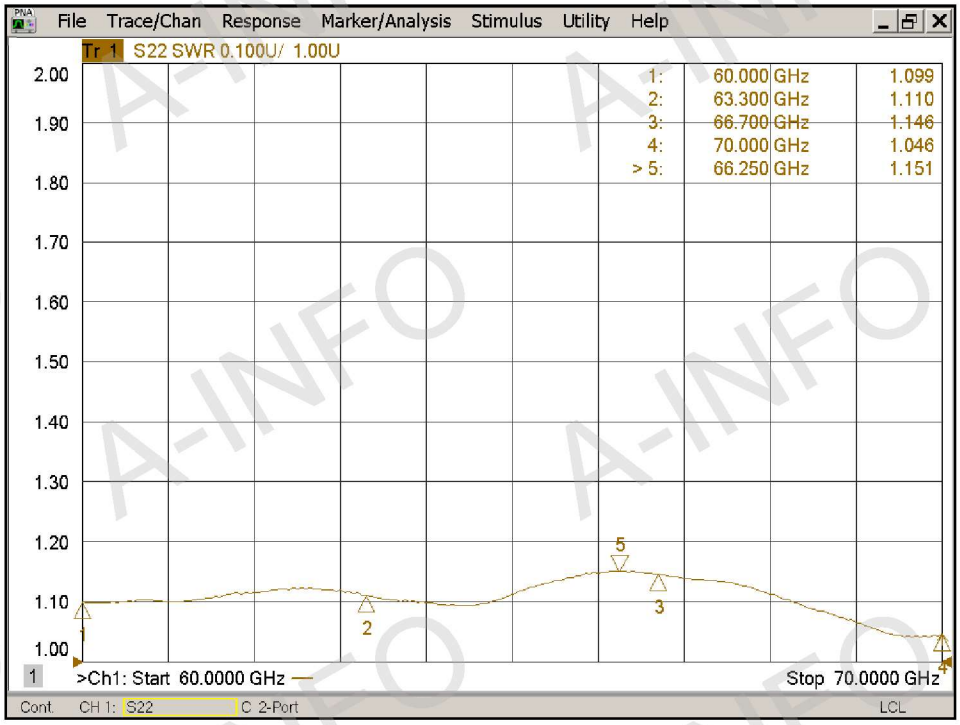
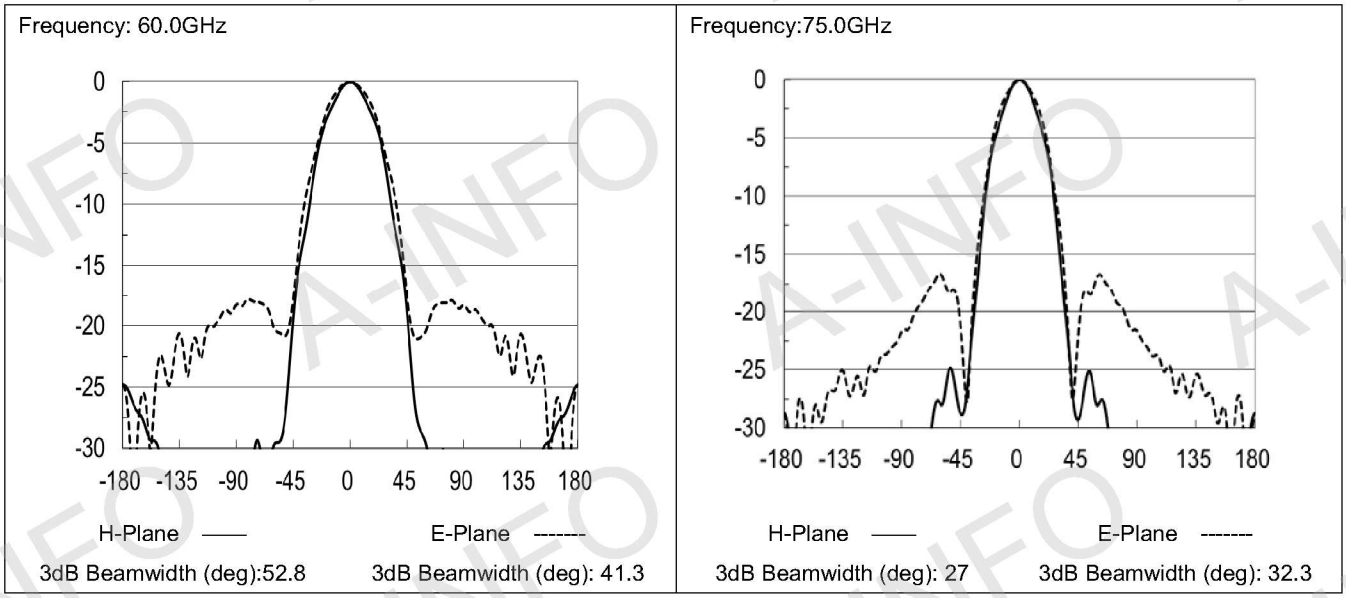
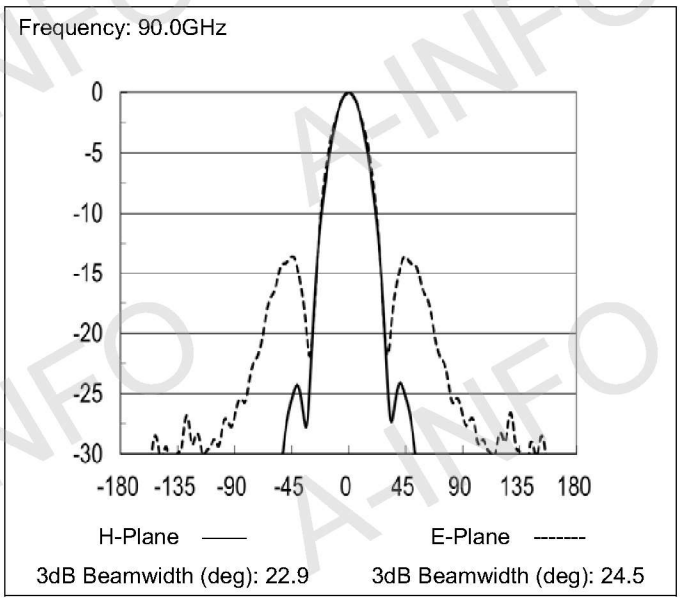
2. VSWR



3. Pattern




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): 22.9
3dB Beamwidth (deg): 24.5