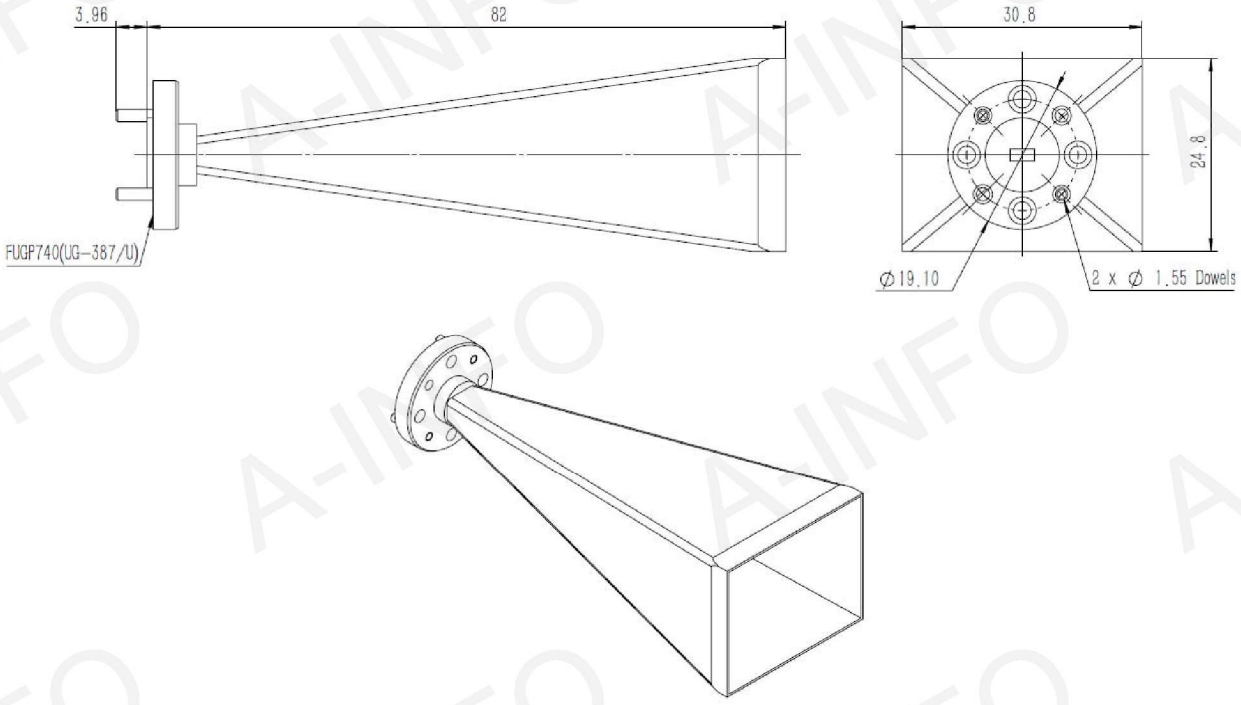
Technical Specification

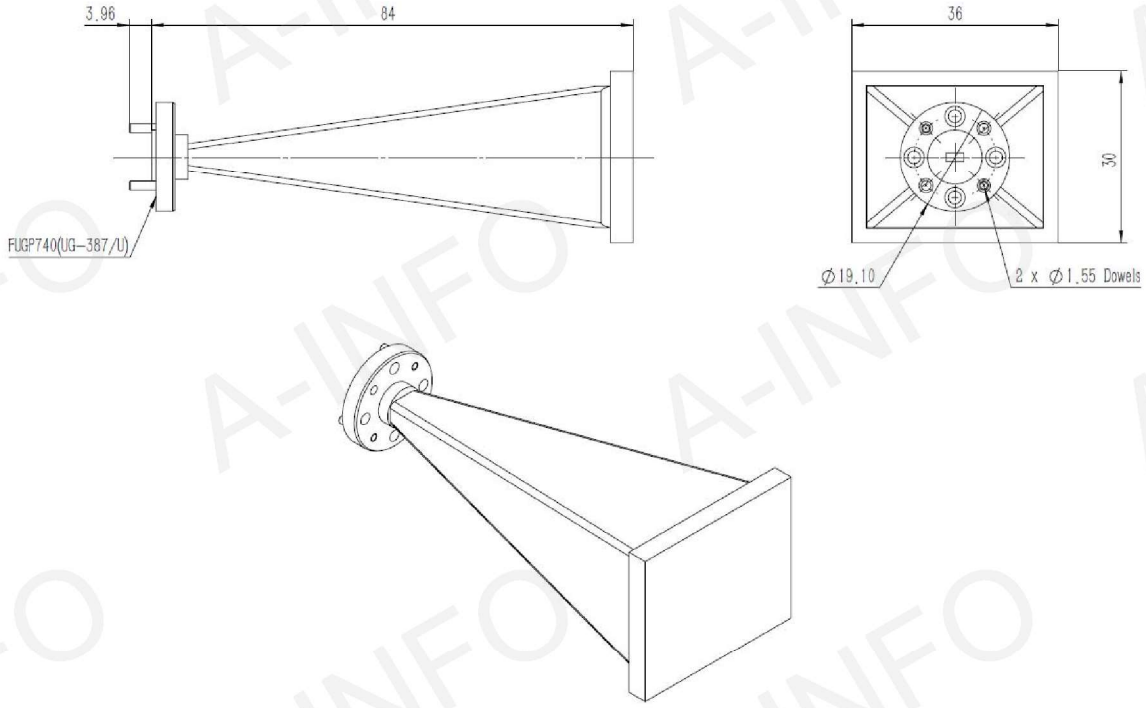
Frequency Range(GHz)	60.0 - 90.0
Waveguide	WR12
Gain(dBi)	25 Typ.
Polarization	Linear
3dB Beamwidth(deg)	10 Typ.
Cross Pol. Isolation(dB)	35 Typ.
VSWR	1.10:1 Typ.
Output	FUGP740(UG-387/U)
Material	Cu
Size(mm)	30.8 x 24.8 x 82
Net Weight(Kg)	0.05 Around

Outline Drawing (Size: mm)

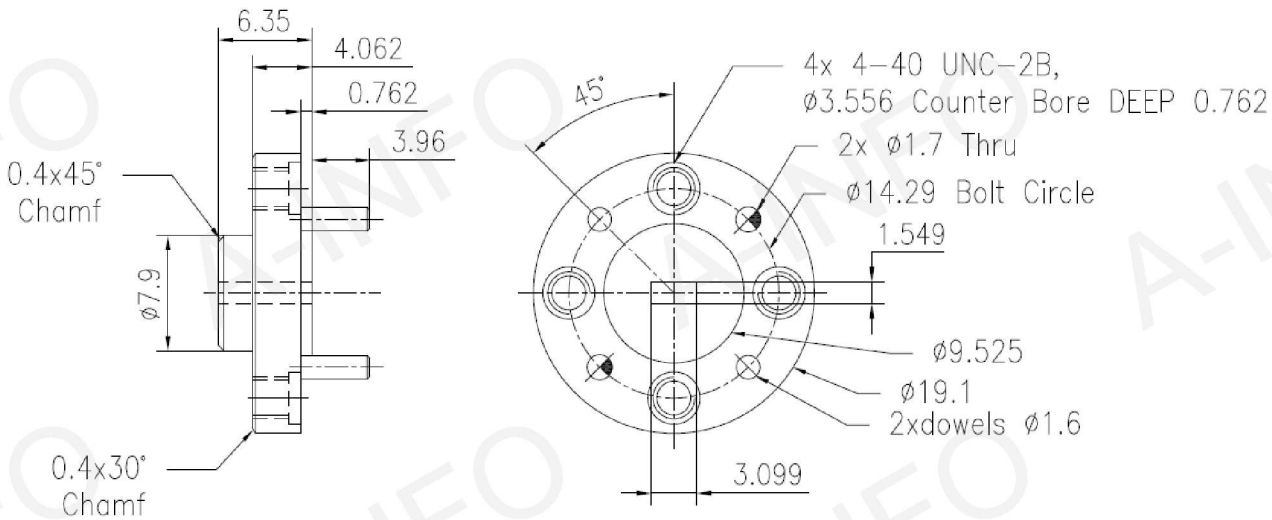
A Type (With FUGP740 Output)



A Type(With Radome)



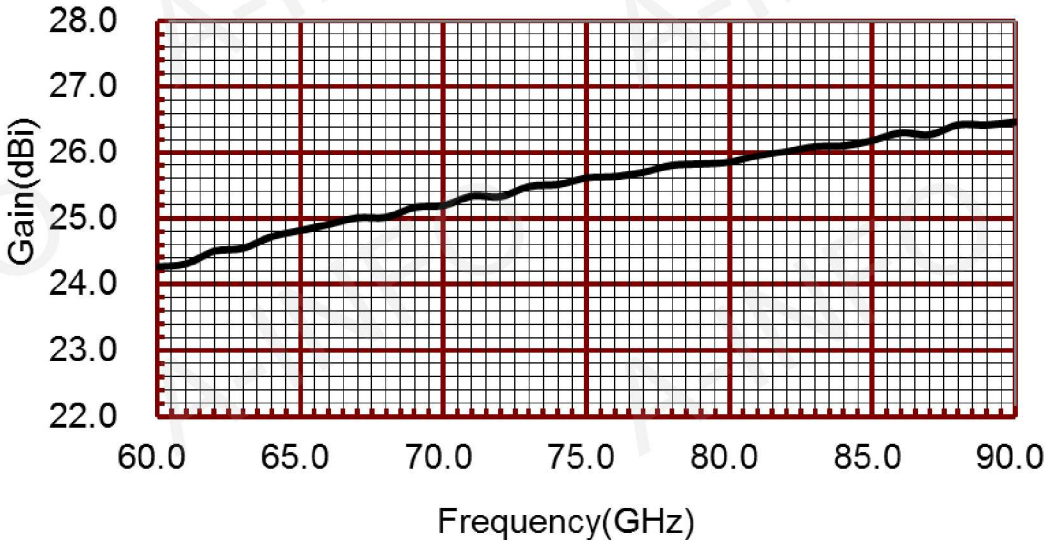
Flange Drawing (Size: mm)

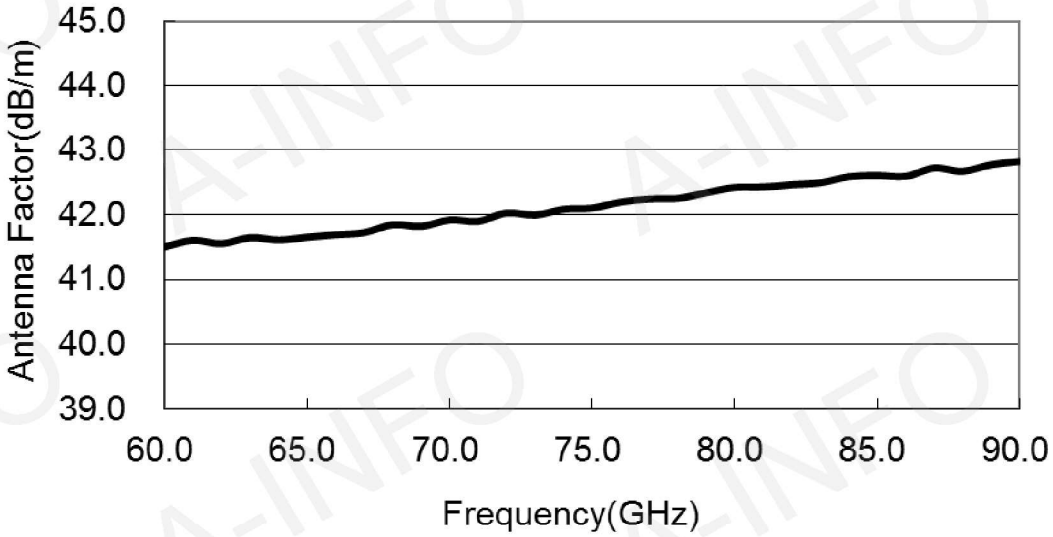


FUGP740
(equivalent to UG-387/U)

Test Results

1. Gain & Antenna Factor





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Frequency(GHz)	Gain(dBi)	Antenna Factor(dB/m)
60	24.27	41.51
61	24.31	41.61
62	24.50	41.56
63	24.55	41.65
64	24.72	41.61
65	24.81	41.65
66	24.91	41.69
67	25.01	41.73
68	25.01	41.85
69	25.17	41.82
70	25.19	41.92
71	25.34	41.90
72	25.33	42.03
73	25.48	42.00
74	25.51	42.09
75	25.61	42.10
76	25.63	42.20
77	25.70	42.24
78	25.80	42.25
79	25.82	42.34
80	25.85	42.42
81	25.95	42.43
82	26.02	42.46
83	26.10	42.49
84	26.11	42.59
85	26.19	42.61
86	26.31	42.59
87	26.28	42.72
88	26.43	42.67
89	26.42	42.77
90	26.47	42.83

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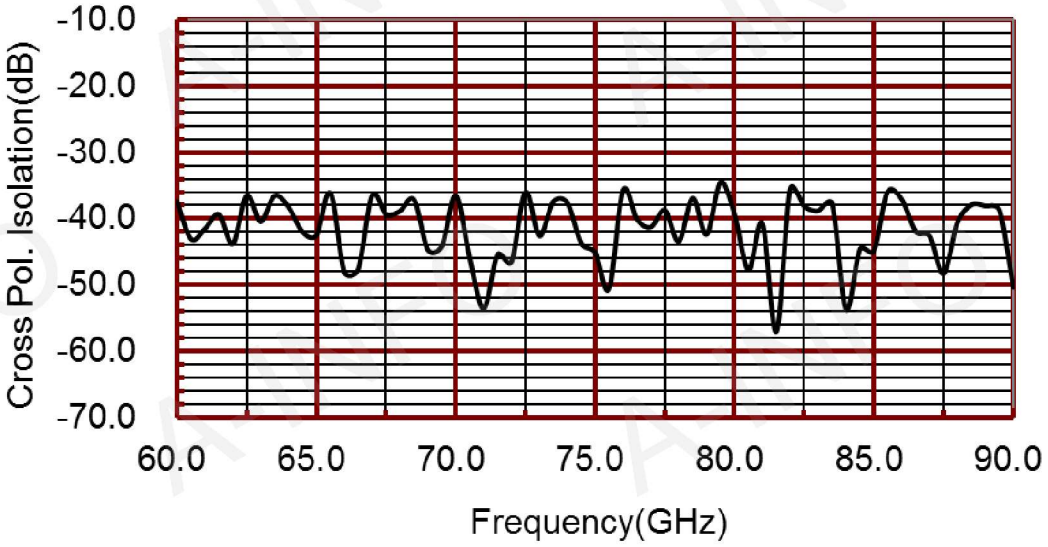
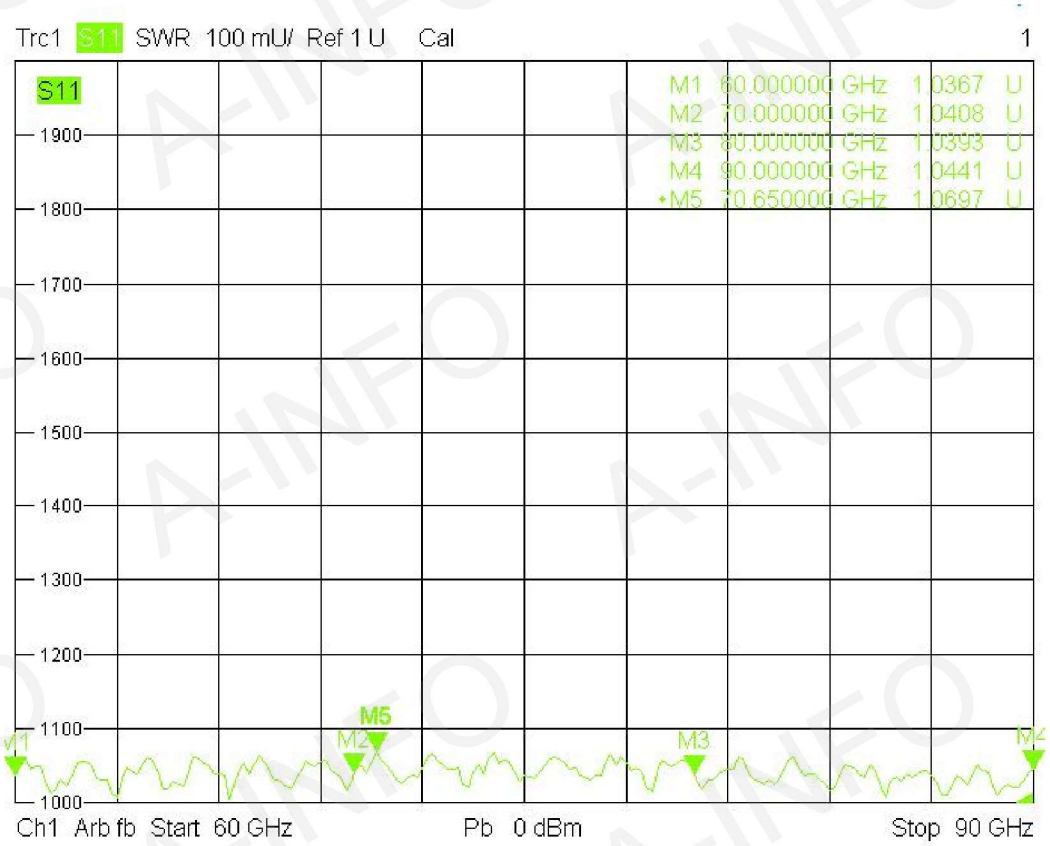
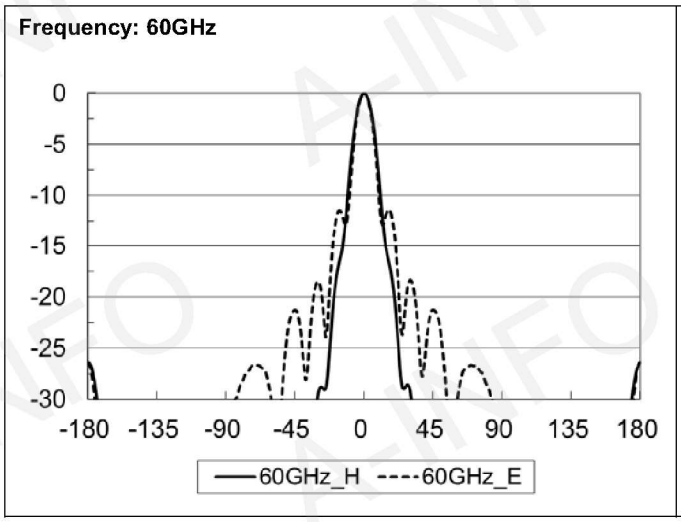
2. Cross Polarization Isolation

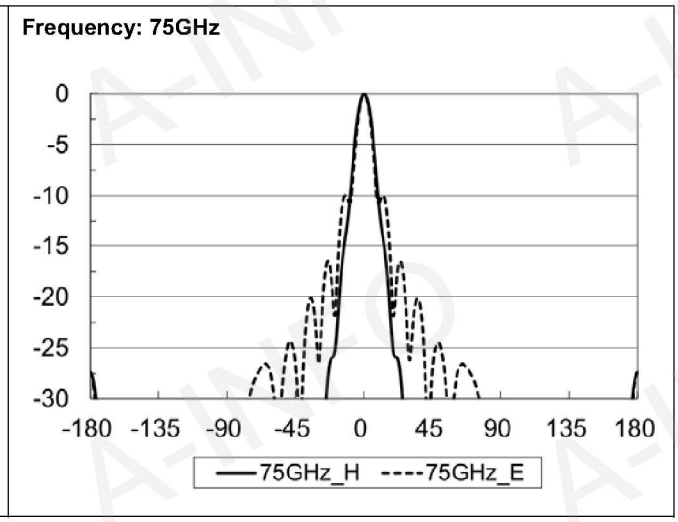


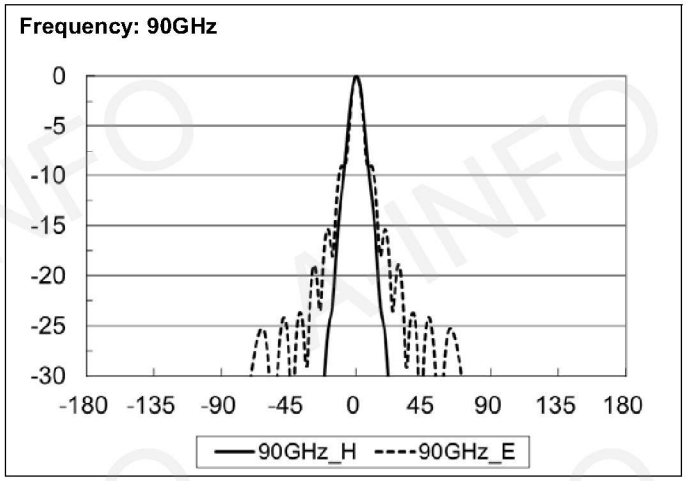
3. VSWR



4. Pattern


Frequency: 60GHz
0
-5
-10
-15
-20
-25
-30
-180 -135 -90 -45 0 45 90 135 180
60GHz_H
60GHz_E


Frequency: 75GHz
0
-5
-10
-15
-20
-25
-30
-180 -135 -90 -45 0 45 90 135 180
75GHz_H
75GHz_E


Frequency: 90GHz
0
-5
-10
-15
-20
-25
-30
-180 -135 -90 -45 0 45 90 135 180
90GHz_H
90GHz_E