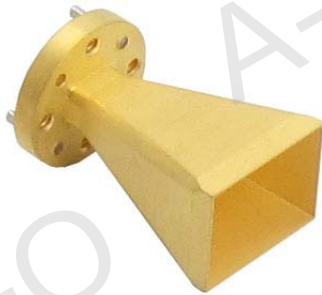


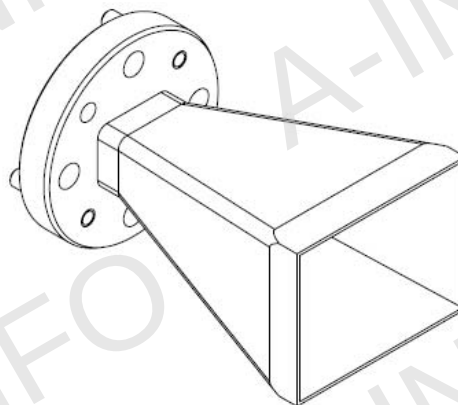
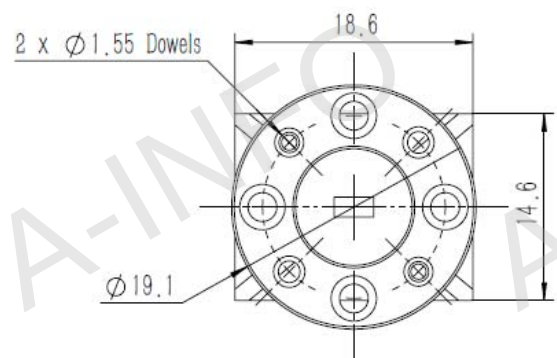
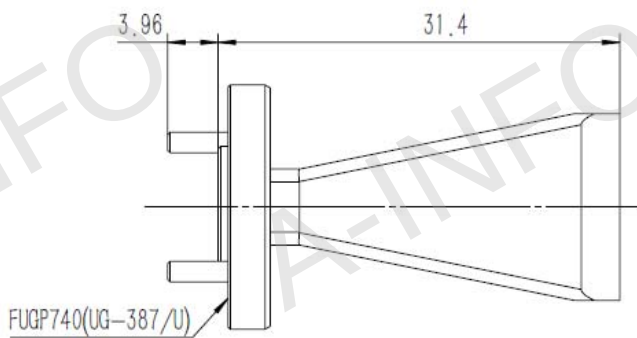
Technical Specification



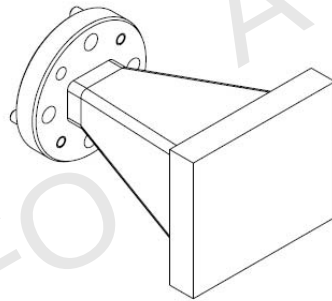
Frequency Range(GHz)	60.0 - 90.0
Waveguide	WR12
Gain(dBi)	20 Typ.
Polarization	Linear
3dB Beamwidth(deg)	18 Typ.
VSWR	1.10:1 Typ.
Output	FUGP740(UG-387/U)
Material	Cu
Size(mm)	19.1 x 19.1 x 31.4
Net Weight(Kg)	0.02 Around

Outline Drawing (Size: mm)

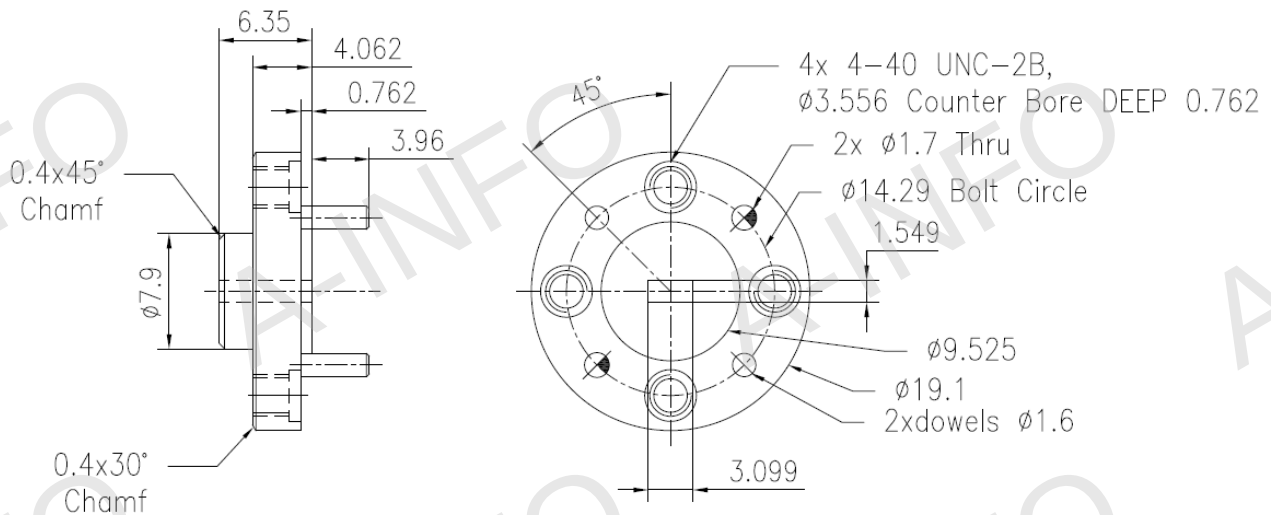
A Type (With FUGP740 Output)



A Type(With Radome)



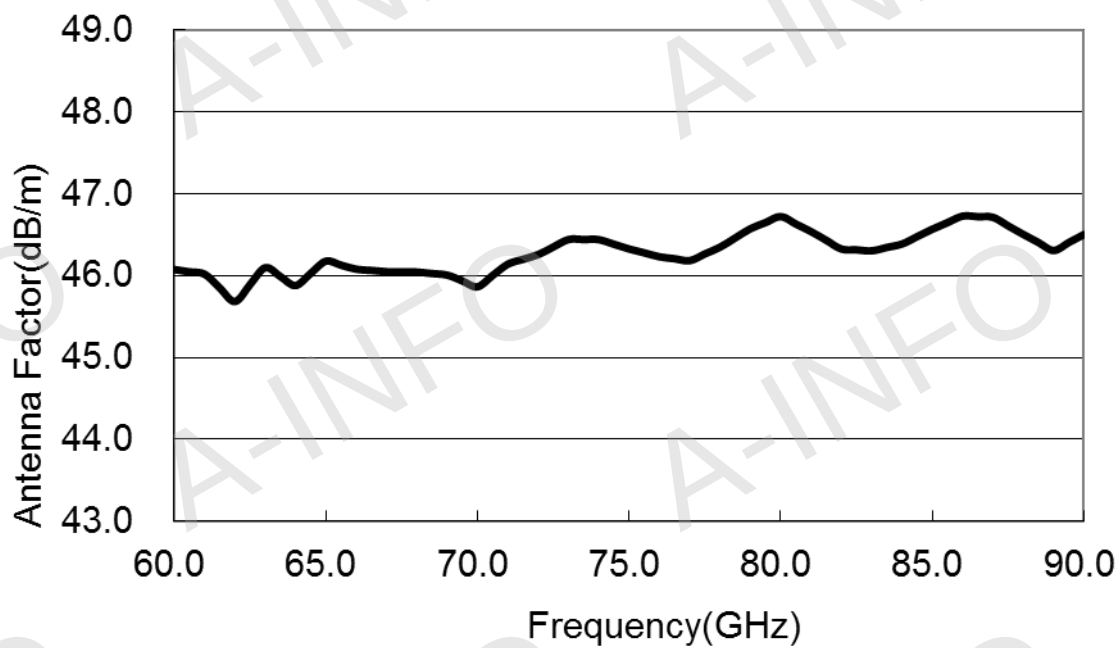
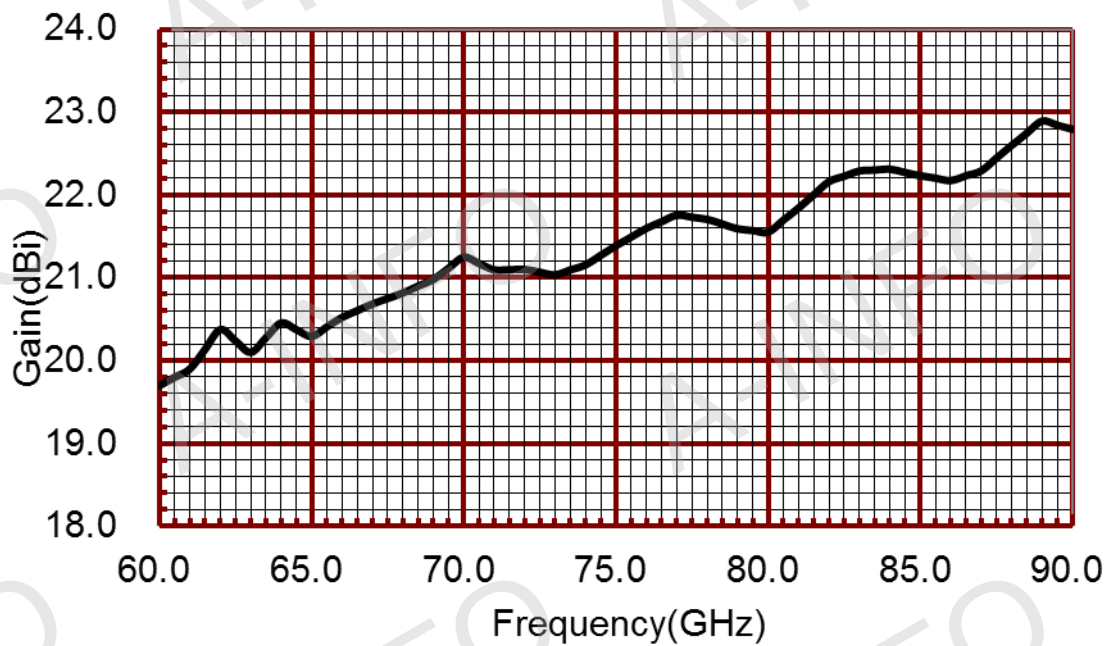
Flange Drawing (Size: mm)



FUGP740
(equivalent to UG-387/U)

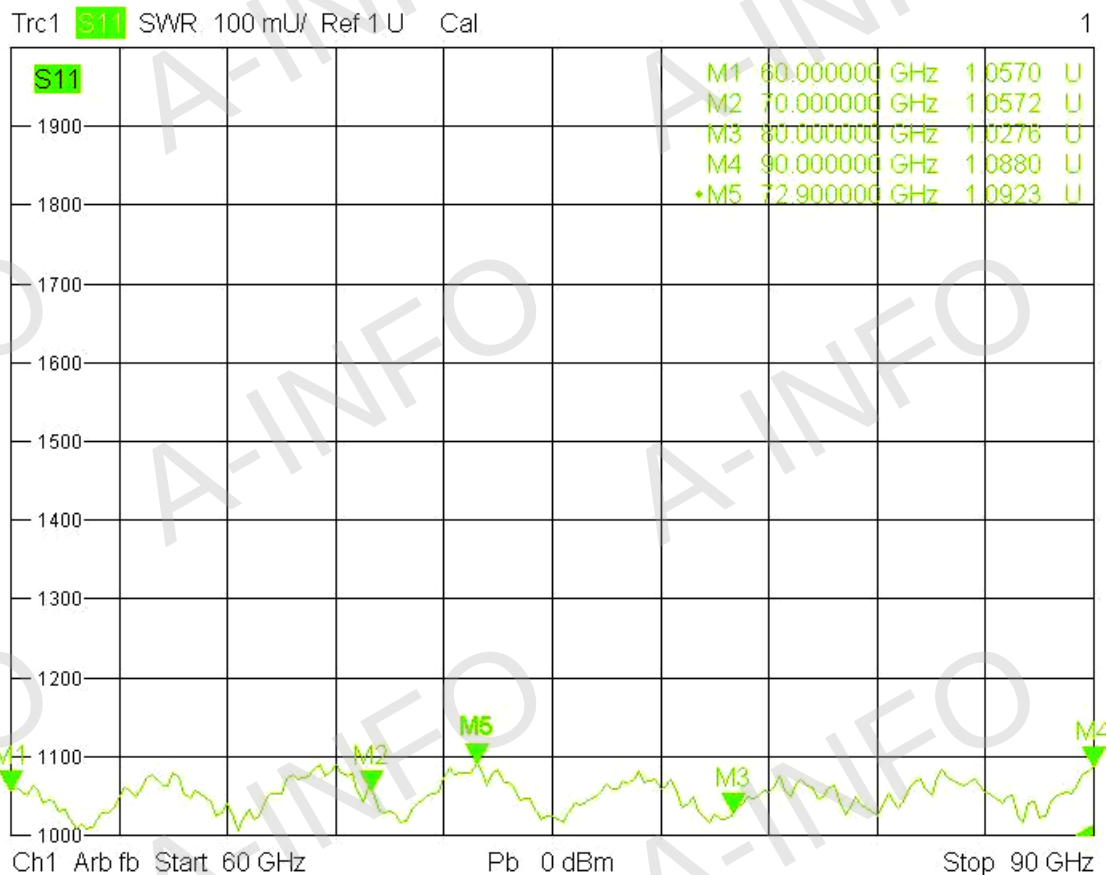
Test Results

Gain & Antenna Factor



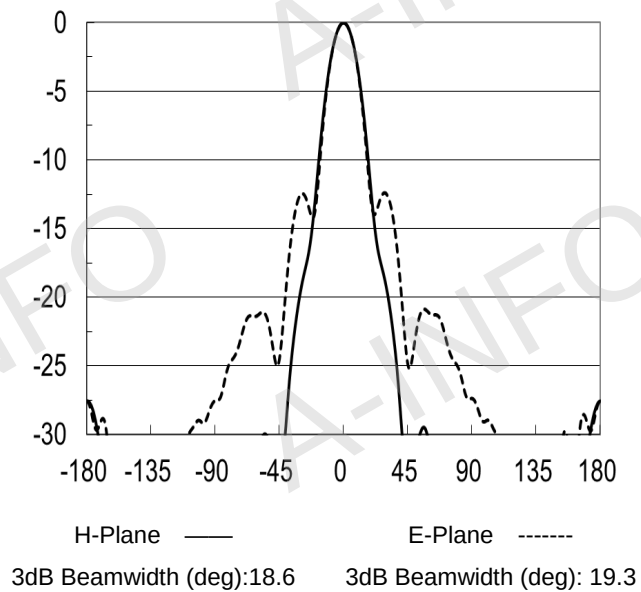
Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
60	19.70	46.07
61	19.90	46.02
62	20.37	45.68
63	20.10	46.10
64	20.45	45.88
65	20.29	46.18
66	20.52	46.08
67	20.68	46.05
68	20.82	46.04
69	20.98	46.01
70	21.25	45.86
71	21.10	46.14
72	21.10	46.26
73	21.04	46.44
74	21.15	46.44
75	21.39	46.33
76	21.60	46.23
77	21.76	46.18
78	21.70	46.35
79	21.59	46.57
80	21.55	46.72
81	21.84	46.54
82	22.16	46.33
83	22.29	46.30
84	22.31	46.39
85	22.23	46.57
86	22.17	46.73
87	22.29	46.71
88	22.60	46.50
89	22.89	46.31
90	22.79	46.50

2. VSWR

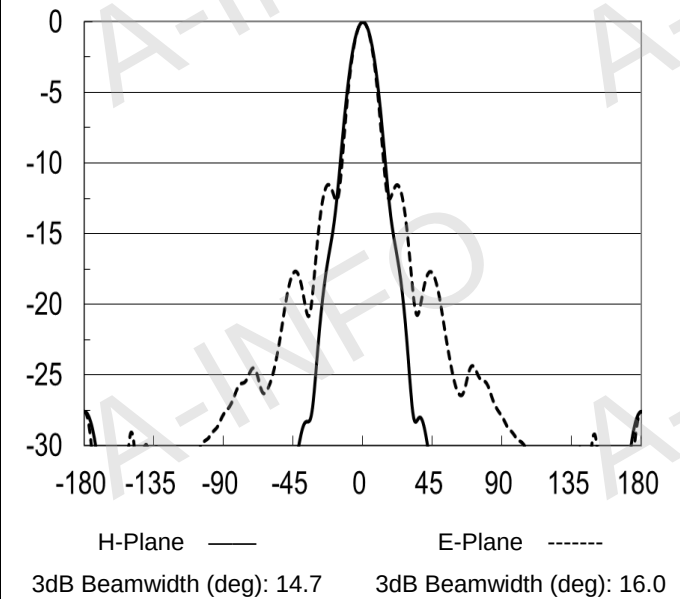


3. Pattern

Frequency: 60.0GHz



Frequency: 75.0GHz



Frequency: 90.0GHz

