

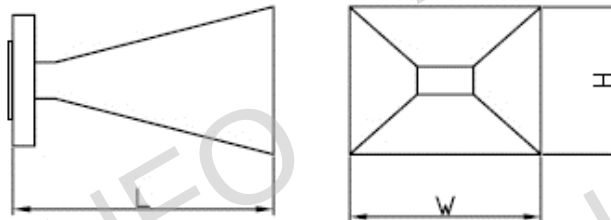
Technical Specification



Frequency Range(GHz)	A Type, WG output	40.0 - 60.0
	C Type, 2.4mm-F	40.0 - 50.0
	C Type, 1.85mm-F	40.0 - 60.0
Gain(dB)	25 Typ.	
3dB Beamwidth(deg)	10 Typ.	
Waveguide	WR19	
Material	Cu	
Output	A Type	FUGP500 (UG-383/U modified)
	C Type	2.4mm-F or 1.85mm-F
Size(mm) W x H x L	A Type, WG output	49x41x130
	C Type, 2.4mm-F	49x41x155
	C Type, 1.85mm-F	49x41x157
Net Weight(Kg)	A Type, WG output	0.15 Around
	C Type, 2.4mm-F	0.18 Around
	C Type, 1.85mm-F	0.18 Around

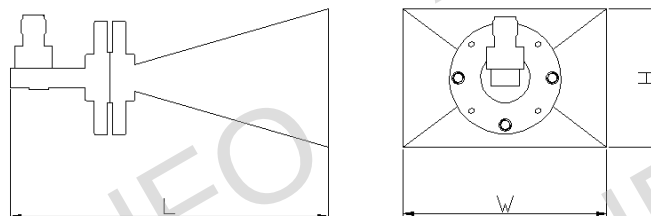
Outline Drawing (Size: mm)

A Type



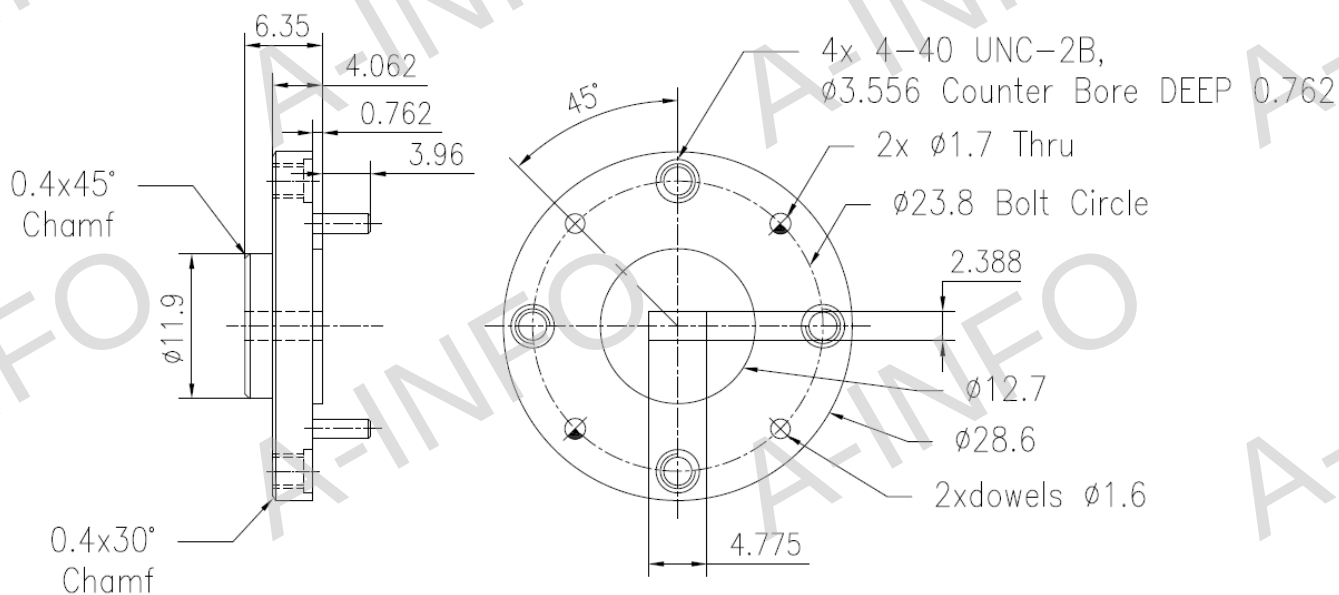
W x H x L: 49x41x130

C Type



W x H x L: 49x41x157

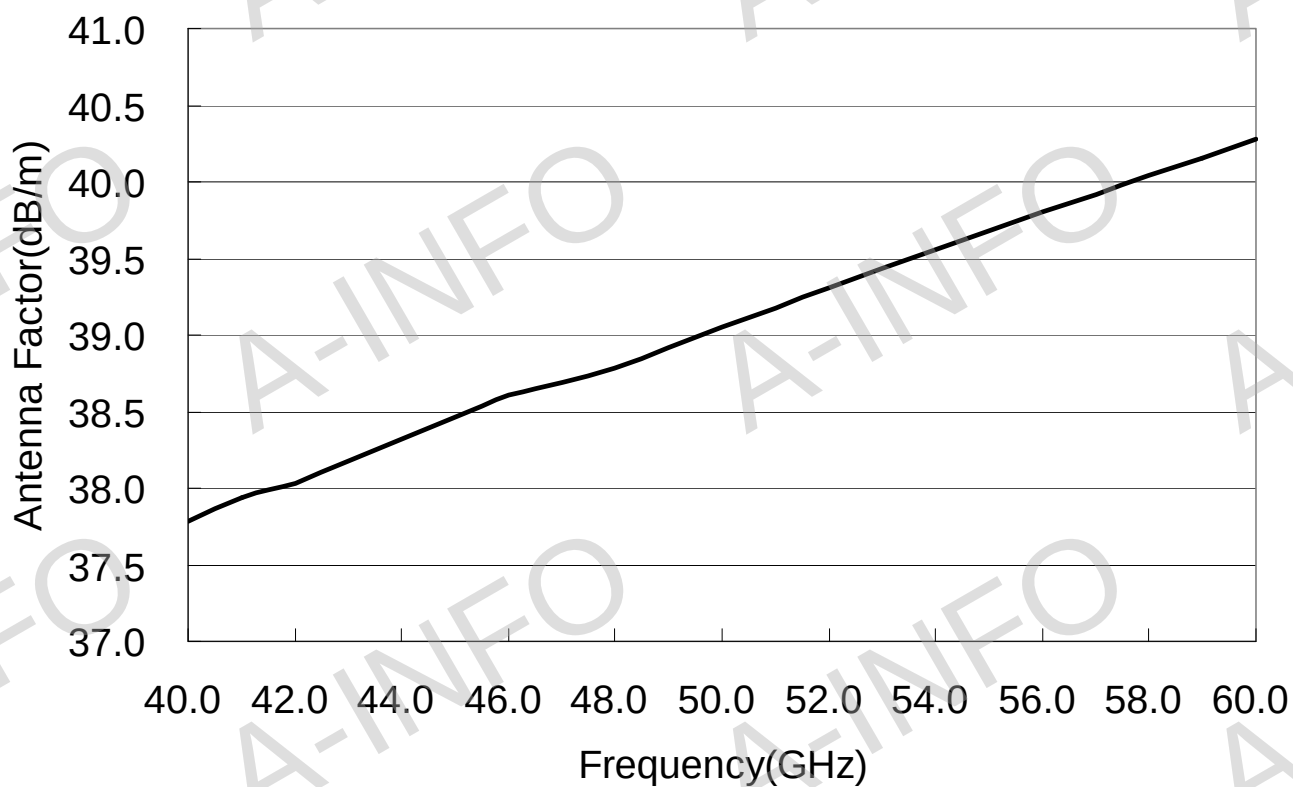
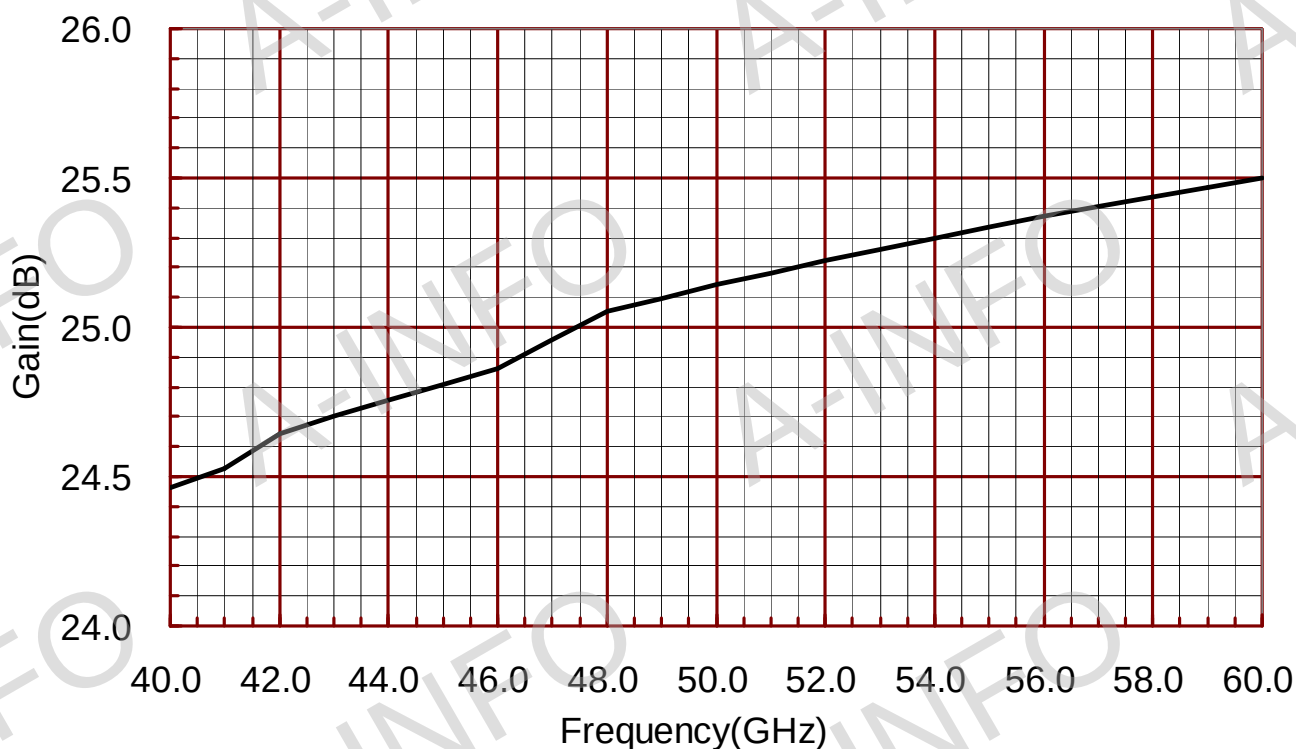
Flange Drawing (Size: mm)



FUGP500
(equivalent to UG-383/U modified)

Test Results

1. Gain and Antenna Factor



Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
40.0	24.46	37.79
41.0	24.53	37.94
42.0	24.64	38.03
43.0	24.70	38.18
44.0	24.76	38.32
45.0	24.81	38.47
46.0	24.86	38.61
47.0	24.96	38.69
48.0	25.05	38.78
49.0	25.10	38.92
50.0	25.14	39.05
51.0	25.18	39.18
52.0	25.22	39.31
53.0	25.26	39.43
54.0	25.30	39.56
55.0	25.34	39.68
56.0	25.37	39.80
57.0	25.41	39.92
58.0	25.44	40.04
59.0	25.47	40.16
60.0	25.50	40.27

2. Cross Pol. Isolation

