

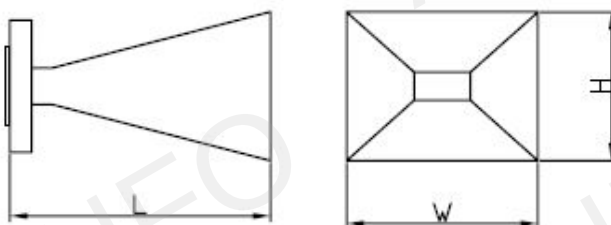
Technical Specification



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)	15 Typ.	
3dB Beamwidth(deg)	30 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	17x12x25
	C Type, 2.4mm-F	17x12x50
	C Type, 1.85mm-F	17x12x52
Net Weight(Kg)	A Type, WG output	0.03 Around
	C Type, 2.4mm-F	0.06 Around
	C Type, 1.85mm-F	0.06 Around

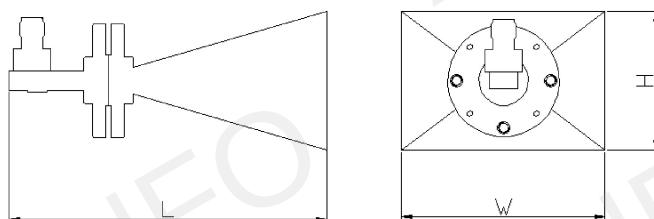
Outline Drawing (Size: mm)

A Type



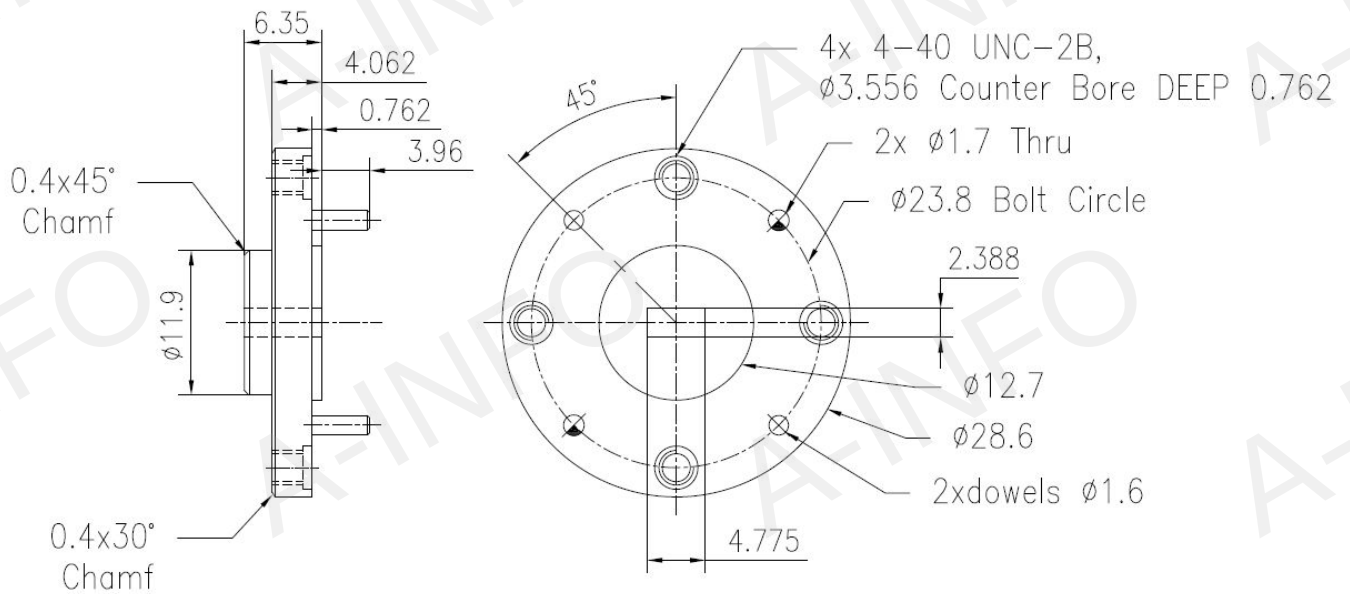
W x H x L: 17x12x25

C Type



W x H x L: 17x12x52

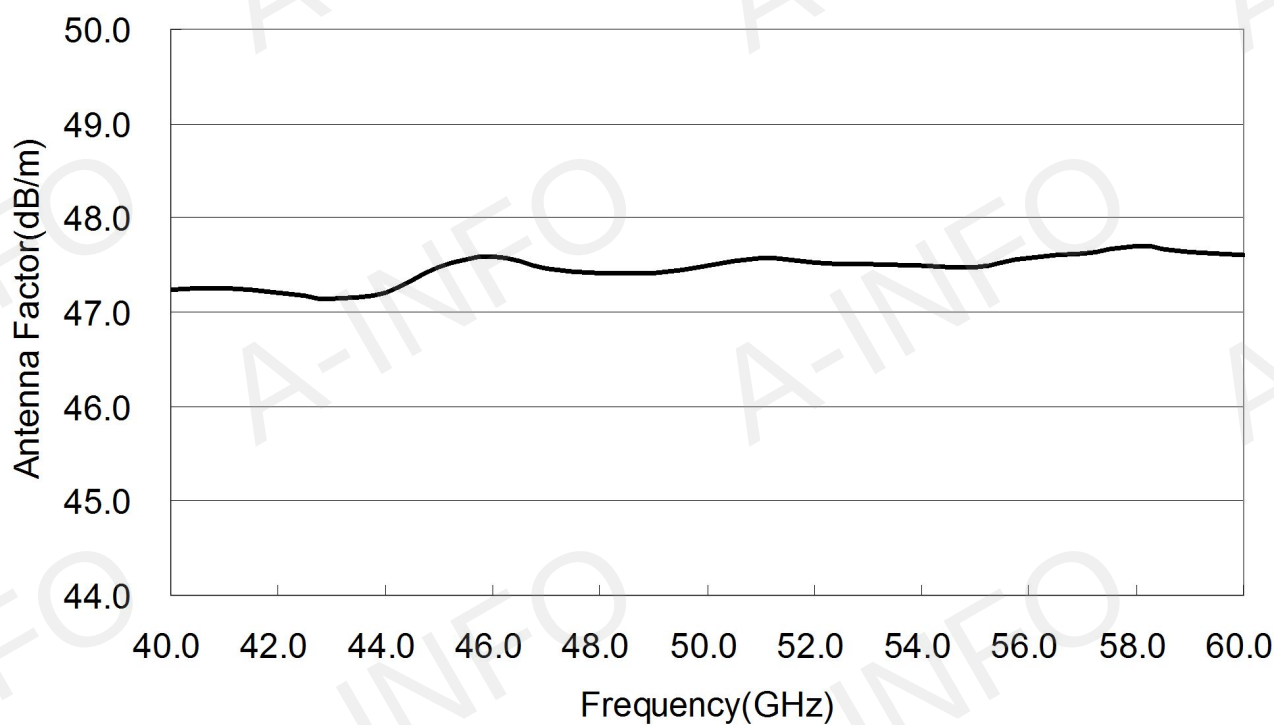
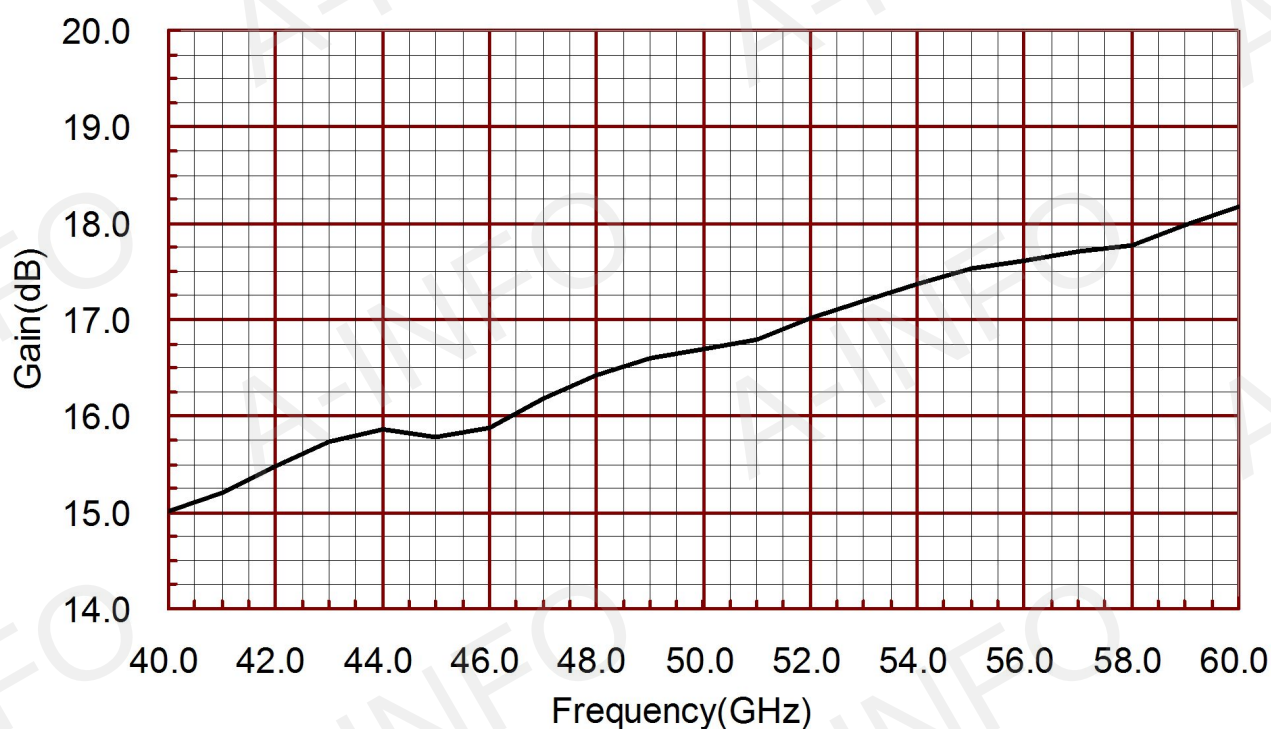
Flange Drawing (Size: mm)



FUGP500
(equivalent to UG-383/U modified)

Test Results

Gain and Antenna Factor



Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
40.0	15.02	47.24
41.0	15.21	47.26
42.0	15.47	47.20
43.0	15.74	47.14
44.0	15.86	47.21
45.0	15.79	47.49
46.0	15.88	47.59
47.0	16.19	47.46
48.0	16.42	47.42
49.0	16.59	47.42
50.0	16.70	47.49
51.0	16.79	47.58
52.0	17.01	47.52
53.0	17.19	47.50
54.0	17.36	47.49
55.0	17.53	47.48
56.0	17.60	47.57
57.0	17.70	47.63
58.0	17.77	47.71
59.0	17.99	47.64
60.0	18.17	47.60