

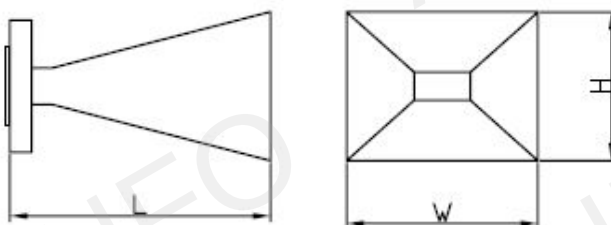
Technical Specification



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)	20 Typ.	
3dB Beamwidth(deg)	18 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	31.4x25.3x50
	C Type, 2.4mm-F	31.4x25.3x75
	C Type, 1.85mm-F	31.4x25.3x77
Net Weight(Kg)	A Type, WG output	0.07 Around
	C Type, 2.4mm-F	0.10 Around
	C Type, 1.85mm-F	0.10 Around

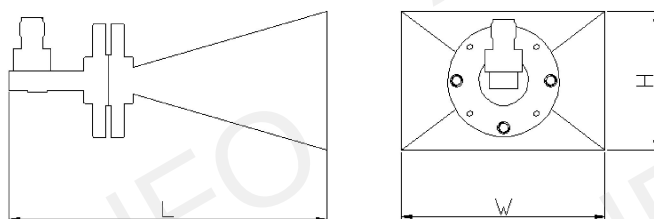
Outline Drawing (Size: mm)

A Type



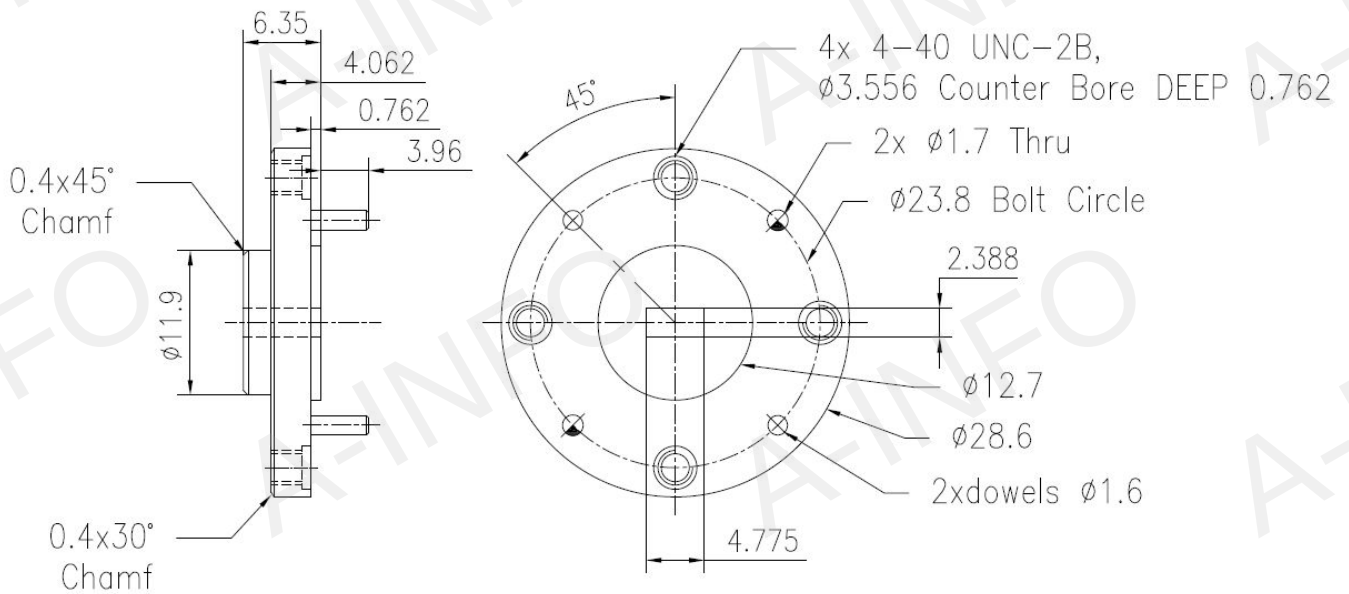
W x H x L: 31.4x25.3x50

C Type



W x H x L: 31.4x25.3x77

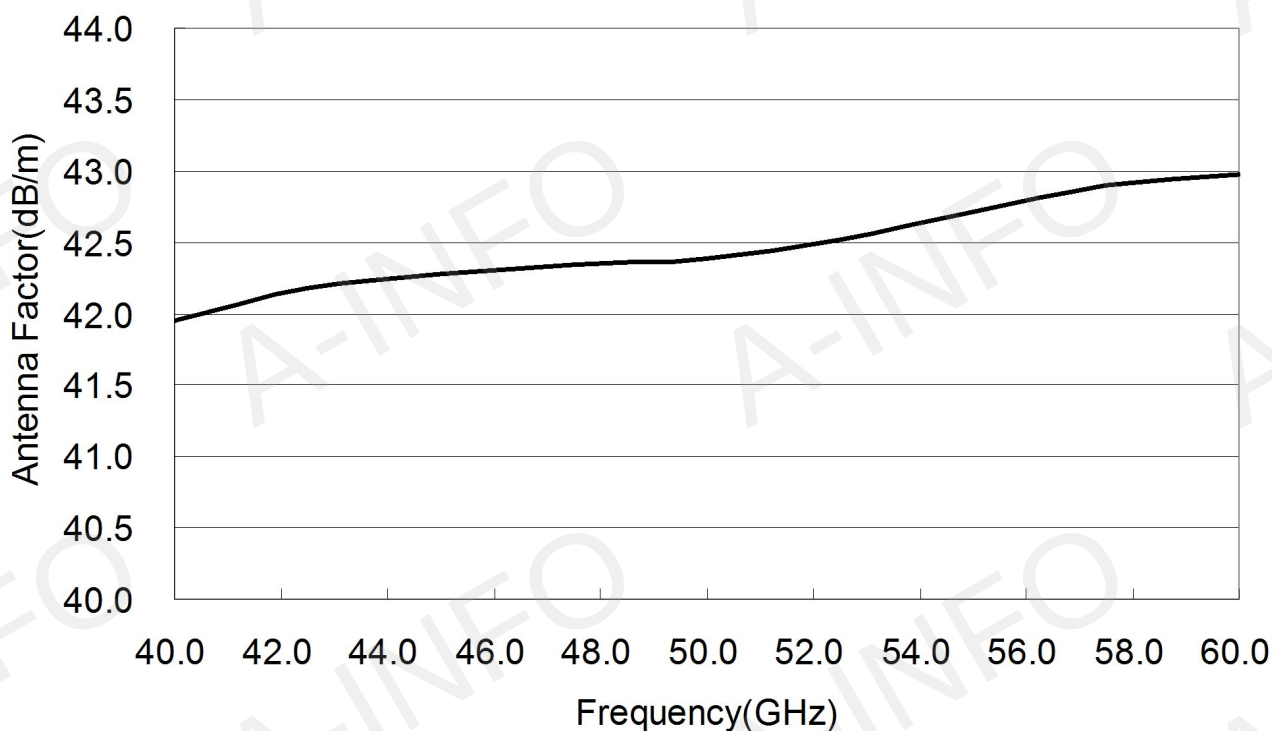
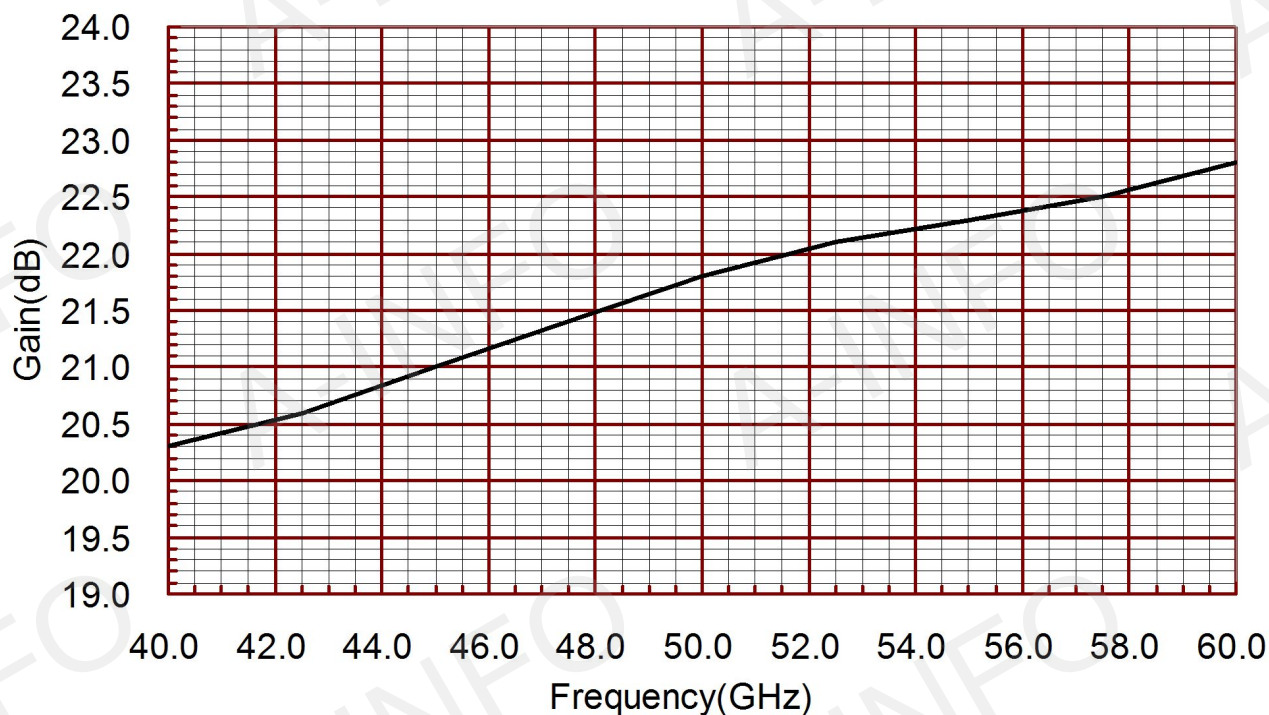
Flange Drawing (Size: mm)



FUGP500
(equivalent to UG-383/U modified)

Test Results

Gain and Antenna Factor



Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
40.0	20.30	41.95
42.5	20.60	42.18
45.0	21.00	42.27
47.5	21.40	42.34
50.0	21.80	42.39
52.5	22.10	42.51
55.0	22.30	42.72
57.5	22.50	42.90
60.0	22.80	42.97