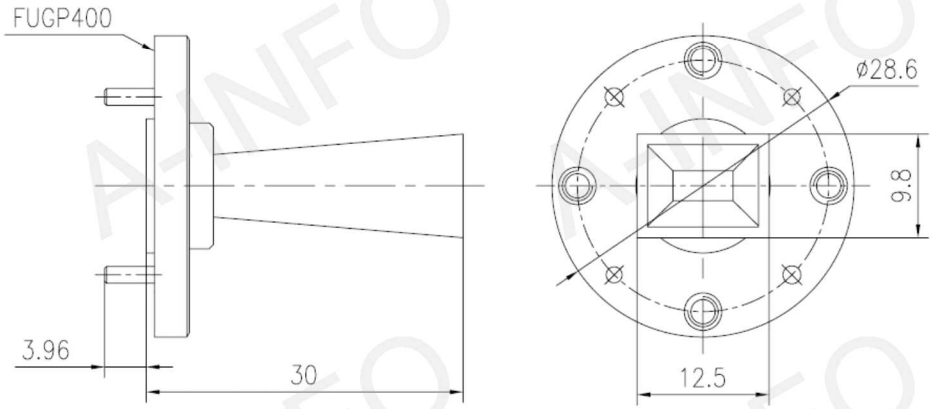
Technical Specification

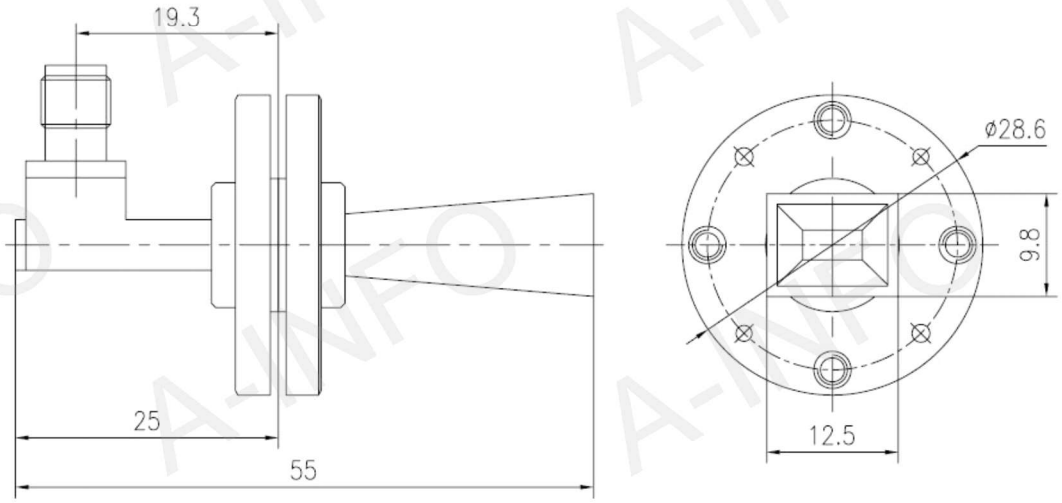
Frequency Range(GHz)	A Type, WG output	33.0 - 50.0
	C Type, 2.4mm-F	33.0 - 50.0
Gain(dB)	10 Typ.	
3dB Beamwidth(deg)	55 Typ.	
Waveguide	WR22	
Material	Cu	
Output	A Type FUGP400(UG-383/U)	
	C Type 2.4mm-F	
Size(mm) W x H x L	A Type, WG output	12.5x9.8x30
	C Type, 2.4mm-F	12.5x9.8x55
Net Weight(Kg)	A Type, WG output	0.03 Around
	C Type, 2.4mm-F	0.08 Around

Outline Drawing (Size: mm)

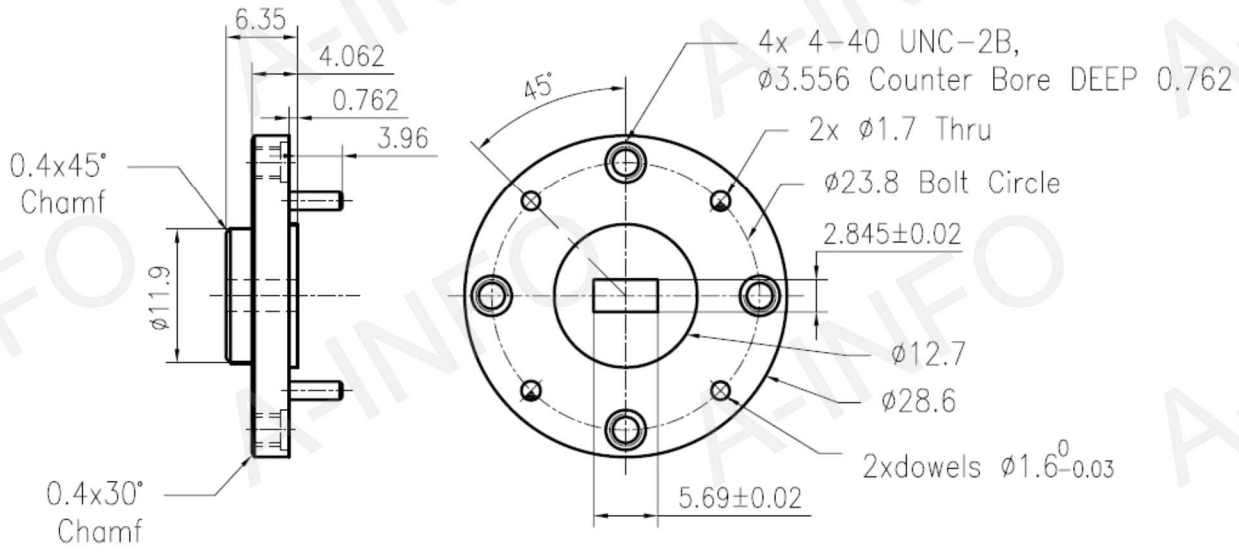
A Type(With FUGP400(UG-383/U) Output)



C Type(With 2.4mm-Female Output)



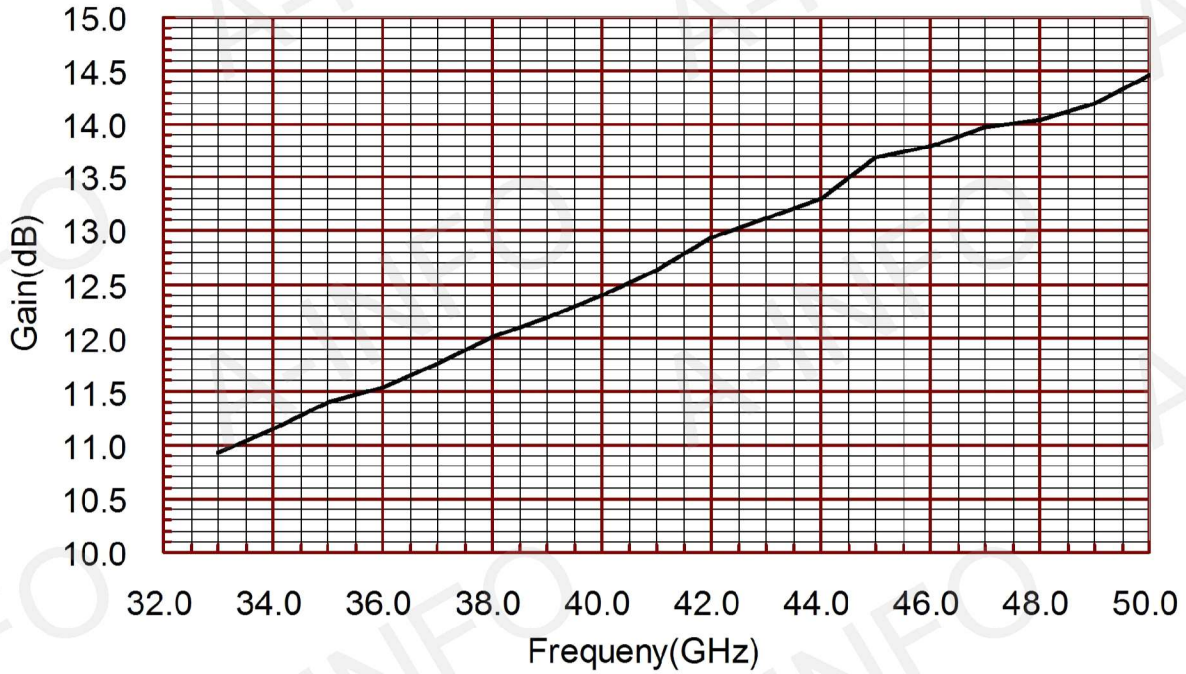
Flange Drawing (Size: mm)

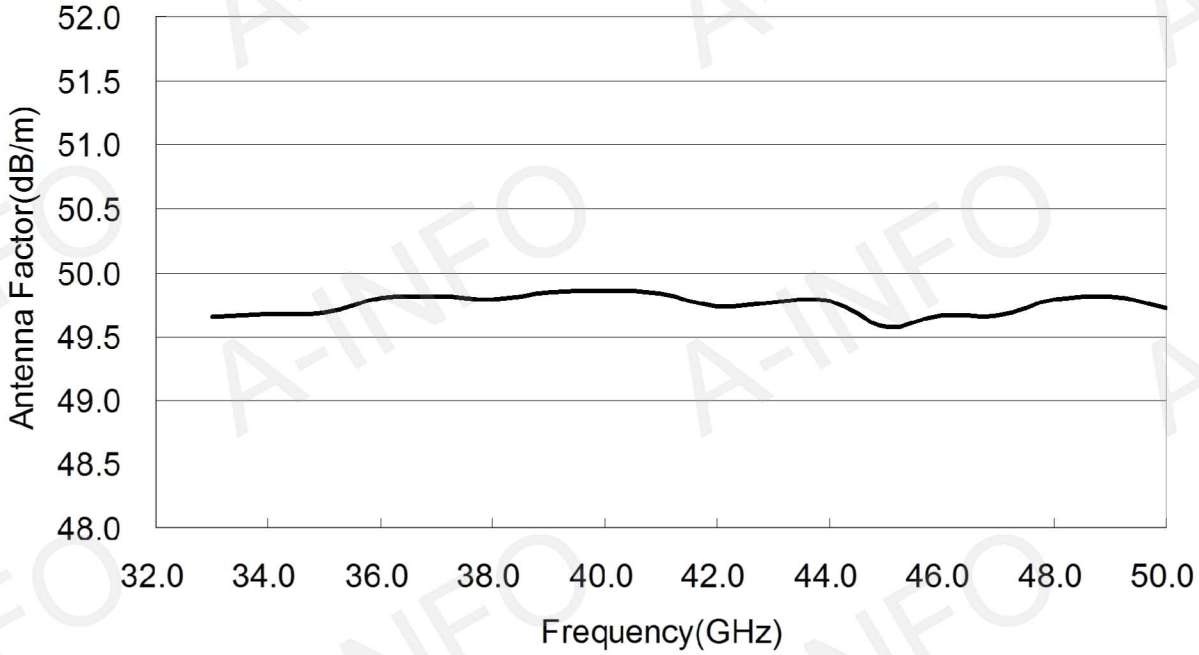


FUGP400
(equivalent to UG-383/U)

Test Results

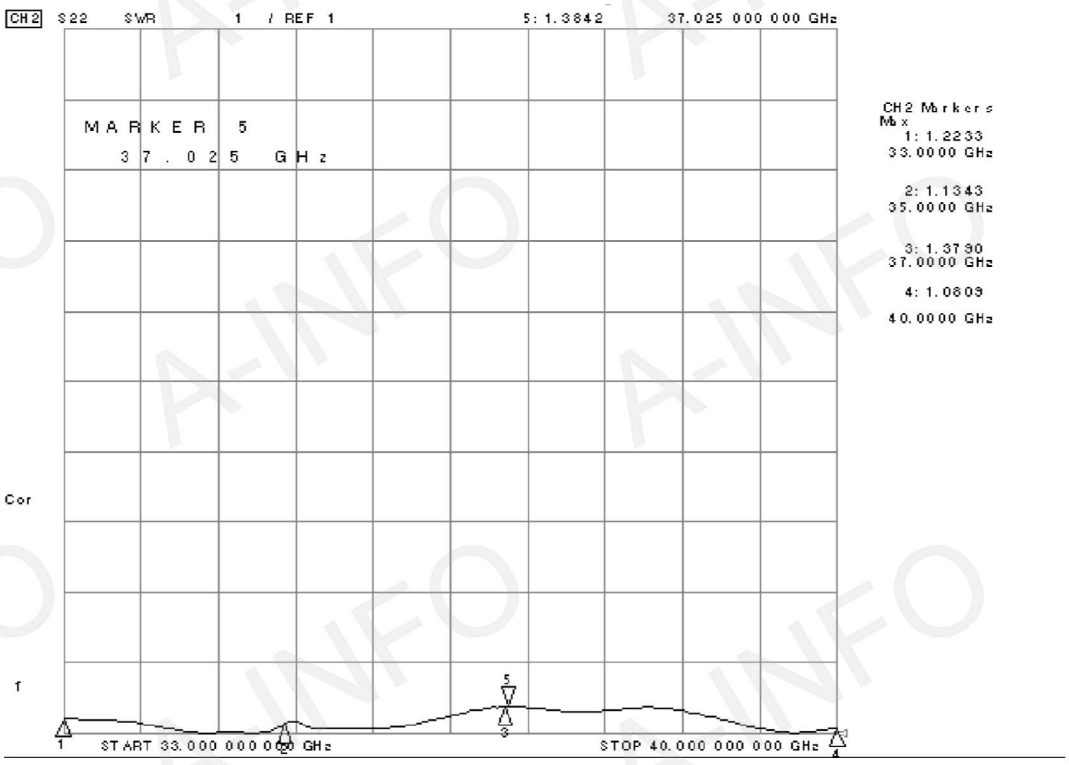
1. Gain and Antenna Factor





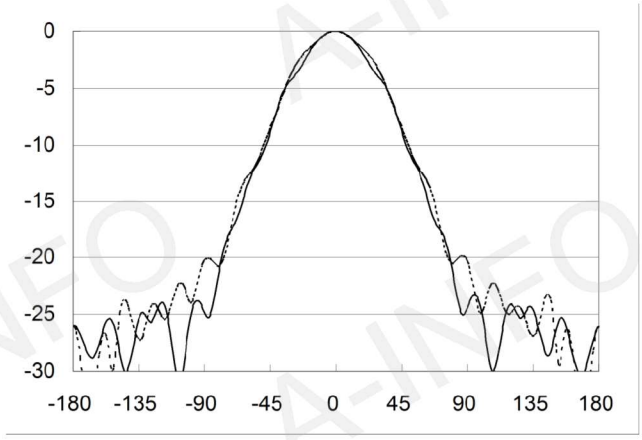
Frequency(GHz)	Gain(dB)	Antenna Factor(dB/m)
33.0	10.93	49.65
34.0	11.15	49.69
35.0	11.40	49.69
36.0	11.53	49.80
37.0	11.76	49.82
38.0	12.01	49.79
39.0	12.19	49.85
40.0	12.39	49.86
41.0	12.63	49.84
42.0	12.94	49.73
43.0	13.11	49.77
44.0	13.30	49.78
45.0	13.69	49.59
46.0	13.80	49.67
47.0	13.98	49.67
48.0	14.04	49.79
49.0	14.20	49.82
50.0	14.46	49.73

2. VSWR



3. Pattern

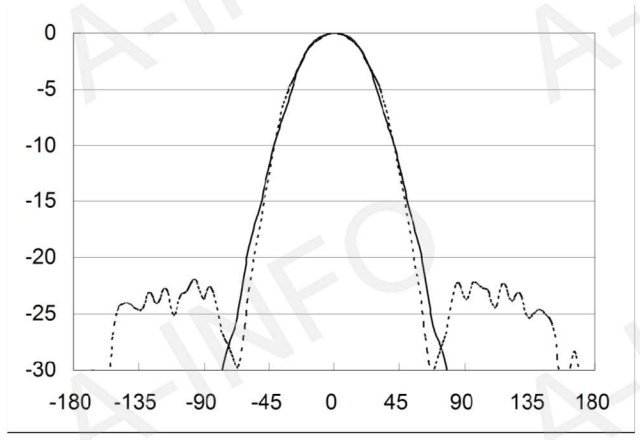
Frequency: 33.0GHz



H-Plane —— E-Plane -------

3dB Beamwidth (deg): 47.04 3dB Beamwidth (deg): 55.25

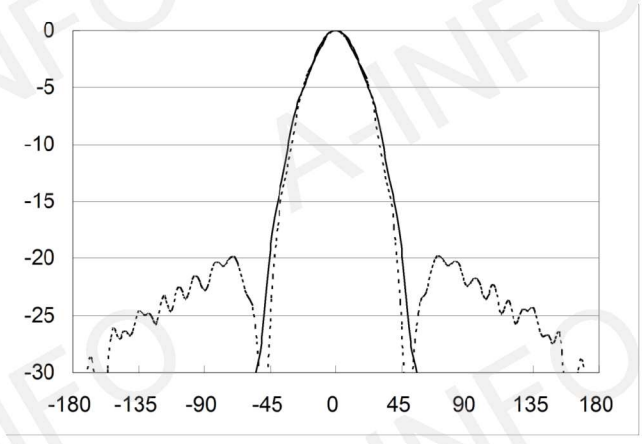
Frequency: 41.5GHz



H-Plane —— E-Plane -------

3dB Beamwidth (deg): 48.24 3dB Beamwidth (deg): 48.02

Frequency: 50.0GHz



H-Plane —— E-Plane -------

3dB Beamwidth (deg): 32.52 3dB Beamwidth (deg): 32.52