

Part No. WGAT-49.8-75.8-20

49.8-75.8GHz Gain:20dBi WR15 Gain Horn Antenna/1.85mm(F)



Features:

- Small Size
- Lightweight
- High Gain

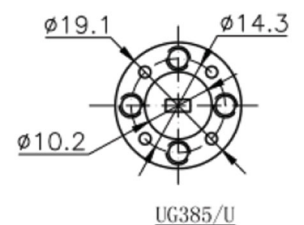
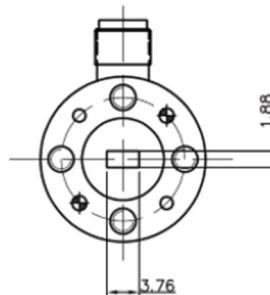
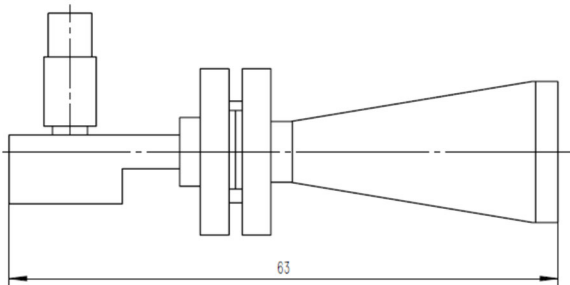
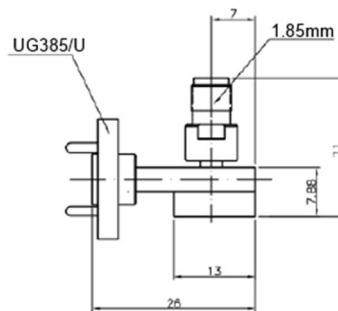
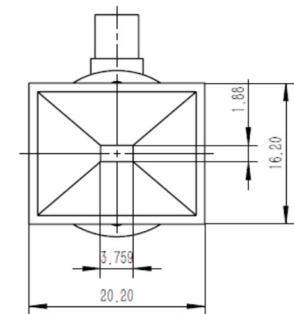


Electrical Specification

Frequency	49.8-75.8GHz
Gain	20dBi
VSWR	1.8:1 Max.
Waveguide Size	WR15
Coaxial Connection	1.85mm Female

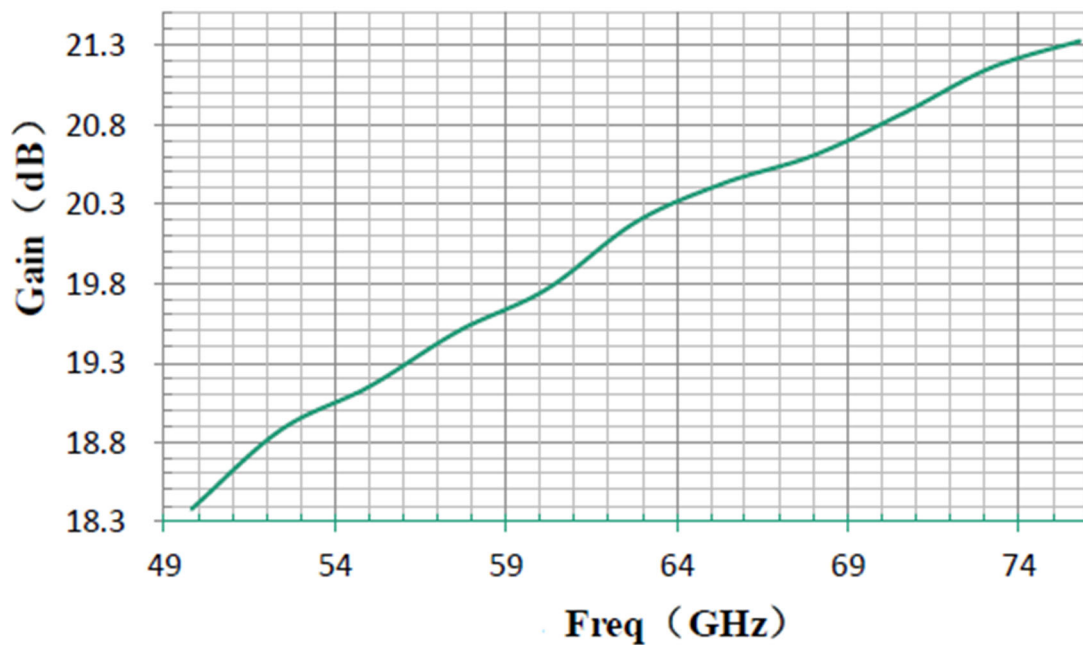
Outline

Unit:mm



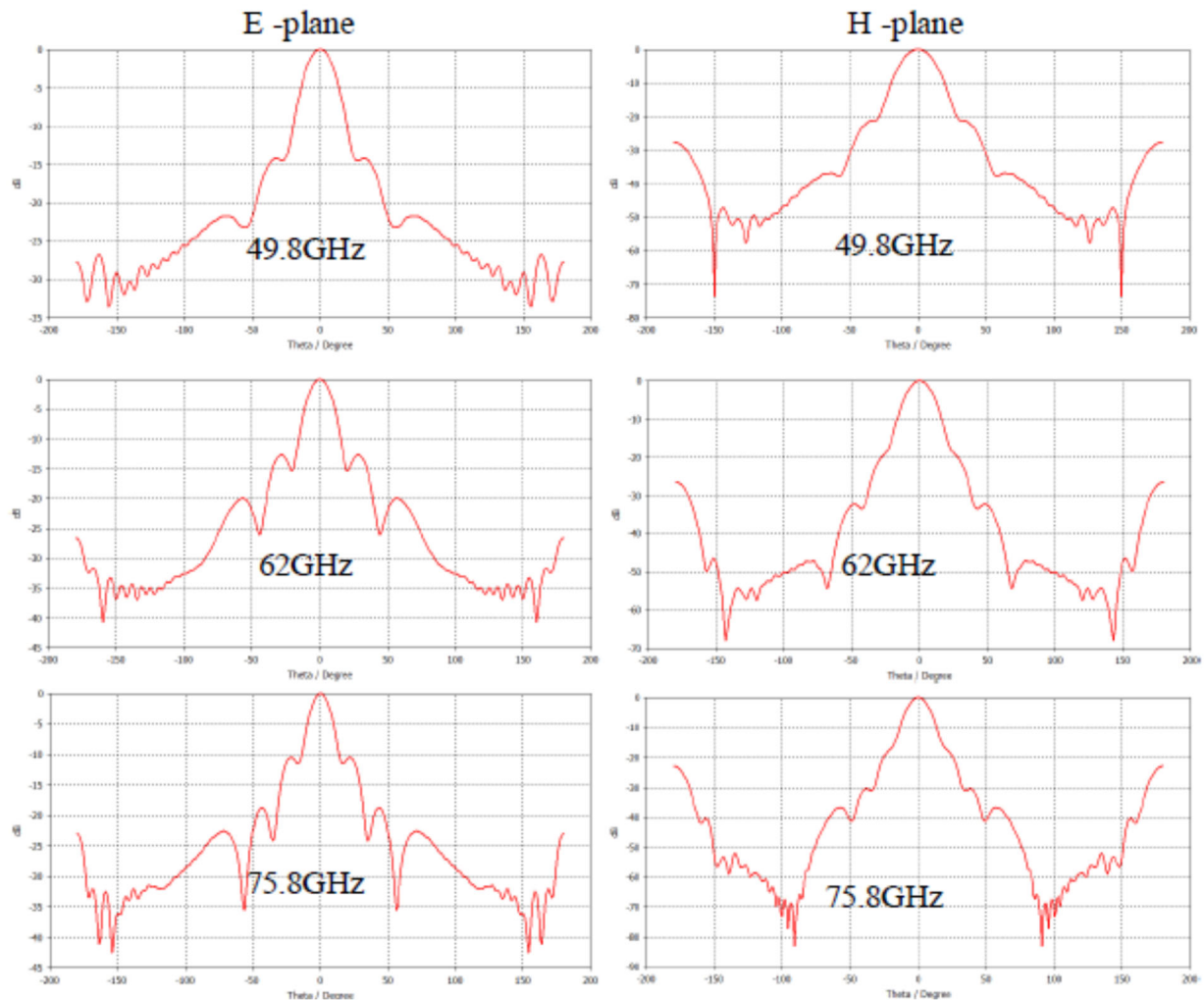
Test Data

Gain



Freq.(GHz)	Gain(dB)
49.80	18.38
52.40	18.88
55.00	19.15
57.60	19.50
60.20	19.76
62.80	20.18
65.40	20.43
68.00	20.60
70.60	20.87
73.20	21.16
75.80	21.32

Radiation Pattern



Freq. (GHz)	Angular With (3dB) (deg.)		Side lobe level (dB)
49.8	E	22.1	-14.2
49.8	H	22.2	-27.2
62	E	17.8	-12.6
62	H	18.3	-26.5
75.8	E	14.9	-10.5
75.8	H	15.1	-22.9