

Pyramidal Horn Antenna

Pyramid Horn Antenna covers the frequency range from 0.32GHz to 330GHz, with the gain from 10dB to 25dB. It can work as the indicator antenna and standard gain antenna for antenna test. As the radiator, it can achieve the quite accurate result for measuring in the microwave anechoic chamber and free space.

Feature:

- 320MHz to 330GHz
- Simple structure
- E and H pattern bandwidth can control
- Stable and reliable performance

Application :

- For T&M
- Other Applications

Technical Specifications :

Gain(dB)

Min: 10 Max:25

Polarization

Linear

Bandwidth (°)

10

VSWR

<1.5(MIN), <2.0(MAX)

Mechanical Specifications :

Material

Al/Cu

Size (mm)

W X H X L

Finish

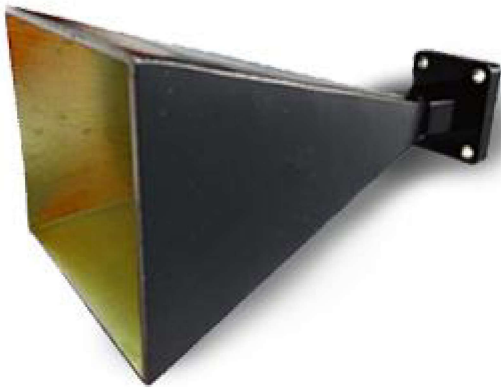
Gray or other

Environmental Specifications :

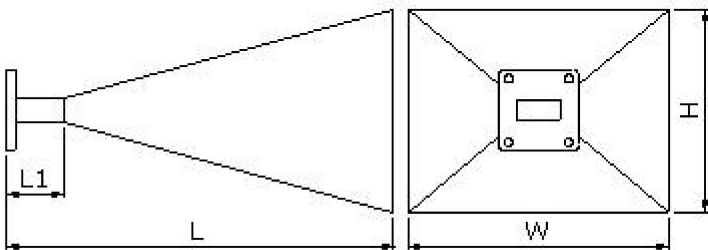
Operating Temperature

-20~+70°

Types:



Outline Drawing:



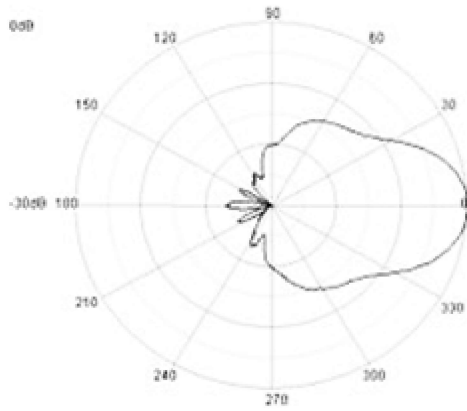
Model List :

Freq. (GHz)	Gain(dB) Typ.	Waveguide			Figure
		E.I.A.	IEC	UK	
0.32-0.49	10~15	WR2300	NONE	R3	N
0.35-0.53	10~15	WR2100	NONE	R4	N
0.41-0.62	10~15	WR1800	WG1	R5	N
0.49-0.75	10~15	WR1500	WG2	R6	N
0.54-0.98	10~18	WR1150	WG3	R8	N
0.75-1.15	10~18	WR975	WG4	R9	N
0.96-1.46	10~18	WR770	WG5	R12	N
1.13-1.73	10~18	WR650	WG6	R14	N
1.15-2.20	10~18	WR510	WG7	R18	N
1.72-2.61	10~18	WR430	WG8	R22	N
2.17-3.30	10~18	WR340	WG9A	R26	N
2.50-3.95	10~20	WR284	WG10	R32	N
3.22-4.90	10~20	WR229	WG11A	R40	N
3.94-5.99	10~20	WR187	WG12	R48	N
4.00-8.00	10~15.5	WR159	WG13	R58	N
5.38-8.17	10~23	WR137	WG14	R70	N
6.57-9.99	10~23	WR112	WG15	R84	N
8.20-12.40	10~25	WR90	WG16	R100	N
9.34-15.0	10~25	WR75	WG17	R120	SMA
11.9-18.0	10~25	WR62	WG18	R140	SMA
14.5-22.0	10~25	WR51	WG19	R180	SMA
17.6-26.7	10~25	WR42	WG20	R220	K-2.92
21.7-33.0	10~25	WR34	WG21	R260	K-2.92
26.5-40.0	10~25	WR28	WG22	R320	K-2.92
32.9-50.1	10~25	WR22	WG23	R400	V-2.4
39.2-59.6	10~25	WR19	WG24	R500	V-2.4
49.8-75.8	10~25	WR15	WG25	R620	-
60.5-91.9	10~25	WR12	WG26	R740	-
73.8-112	10~25	WR10	WG27	R900	-
92.2-140	10~25	WR8	WG28	R1200	-
113-173	10~25	WR7	WG29	R1400	-
145-220	10~25	WR5	WG30	R1000	-
172-261	10~25	WR4	WG31	R2200	-
217-330	10~25	WR3	WG32	R2600	-

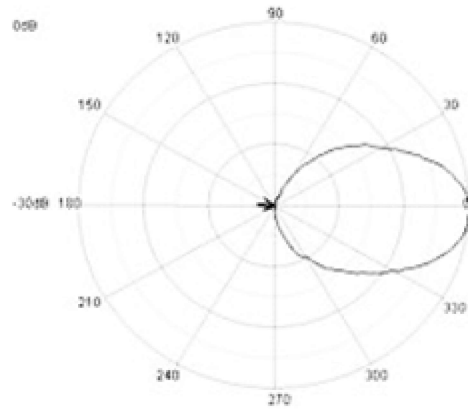


Test curve :

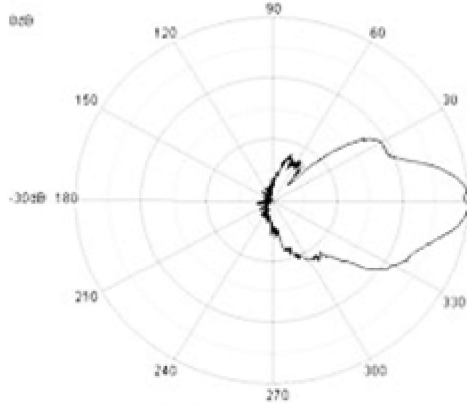
1. Pattern



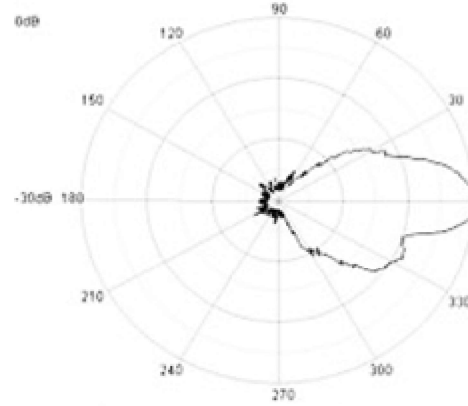
4G E Beamwidth: 34°



4G H Beamwidth: 34°



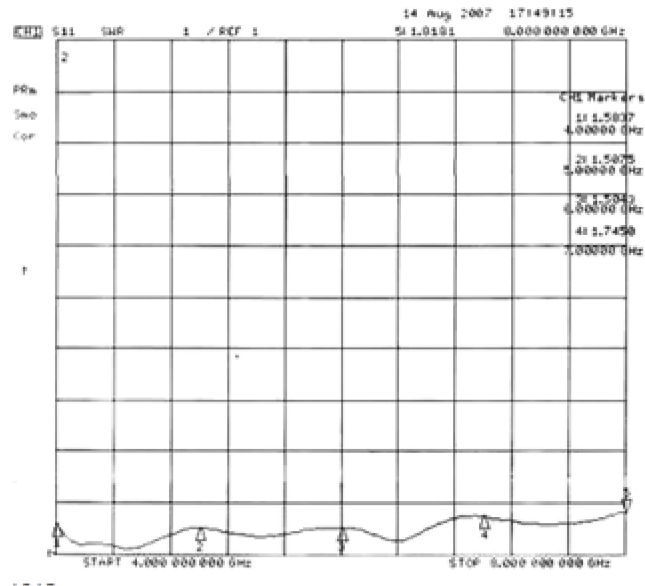
8G E Beamwidth: 21.8°



8G H Beamwidth: 20.3°

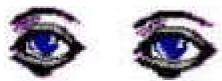


2. VSWR



Note:

You could choice Flange type or connector type,



SatelliteDish.com®

(954) 941-8883