

80GHz Radar Antenna Specification

Antenna type: Lens Antenna

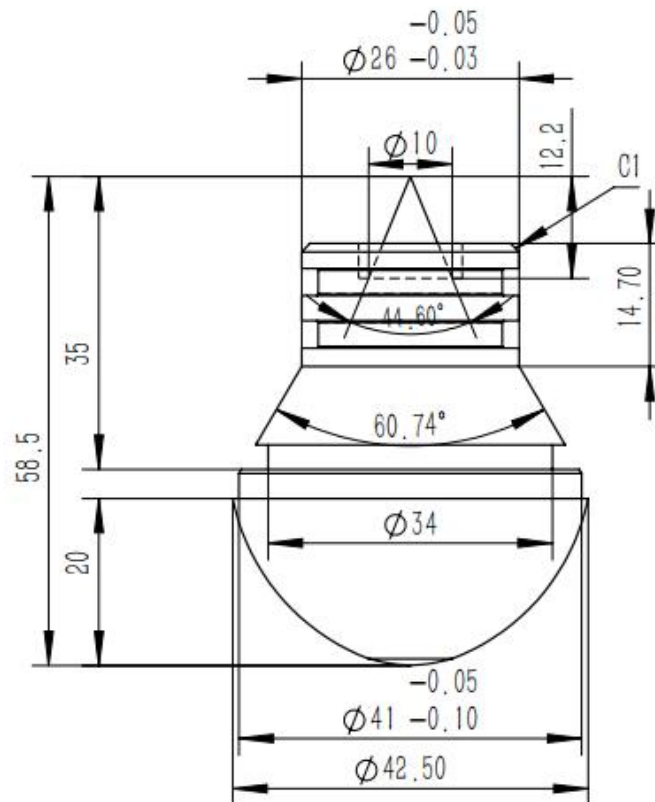
Antenna Model Name: 80GHz-Radar-Ant

Antenna PCB manufacturer: Beijing Precision Wave Instrument Co., Ltd.

Antenna manufacturer Address: Building No.1,No.7,Fengxian Road

Middle, Haidian District, Beijing,P. R. China

Antenna dimension:



Antenna Specification

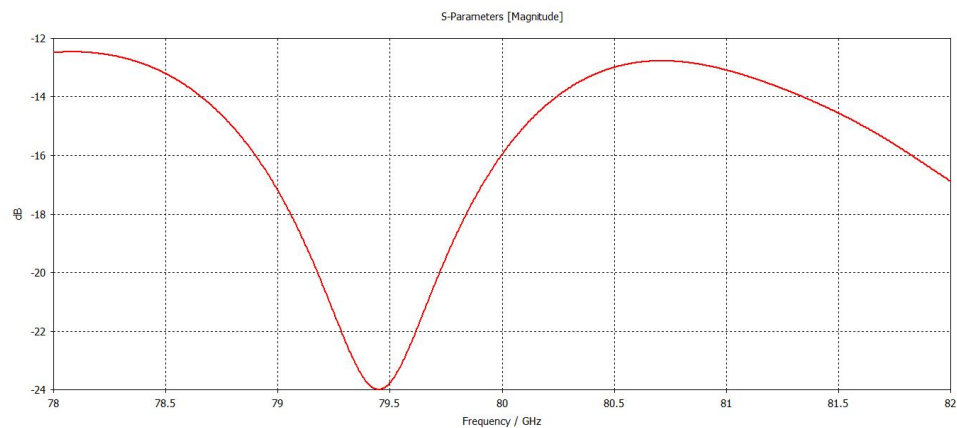
frequency range	75-85GHz
beam angle	5.5°
ant.port input pwr (dbm)	10dbm

tot.rad.pwr (dbm)	6dbm
peak eirp (dbm)	22. 4
Directivity (dbi)	22. 4
efficiency (db)	-1.25
gain (dbi)	22.4
max power xy	-5
min power xy	-20
avg power xy	-15
input impedance (ohm)	50
polarization type	linear polarization
vswr	<2

Gain table

Frequency @77GHz	xy (dbi)		xz (dbi)		yz (dbi)		eff. (db)
	peak	Avg	peak	Avg	peak	Avg	
	-6	-9	22. 4	-3	22. 4	-4	

Return Loss



3D radiation Pattern Diagram 3D

