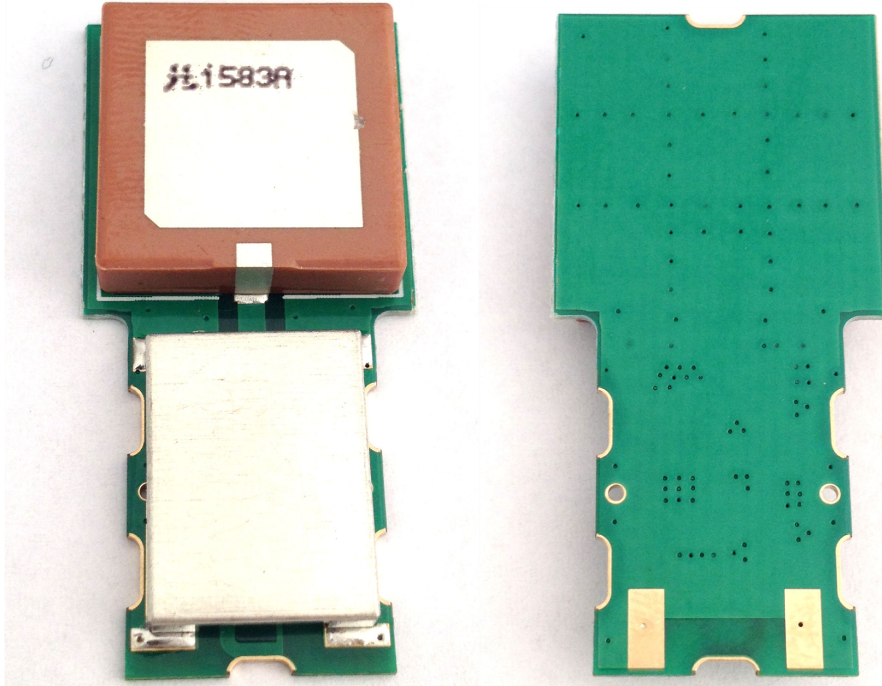
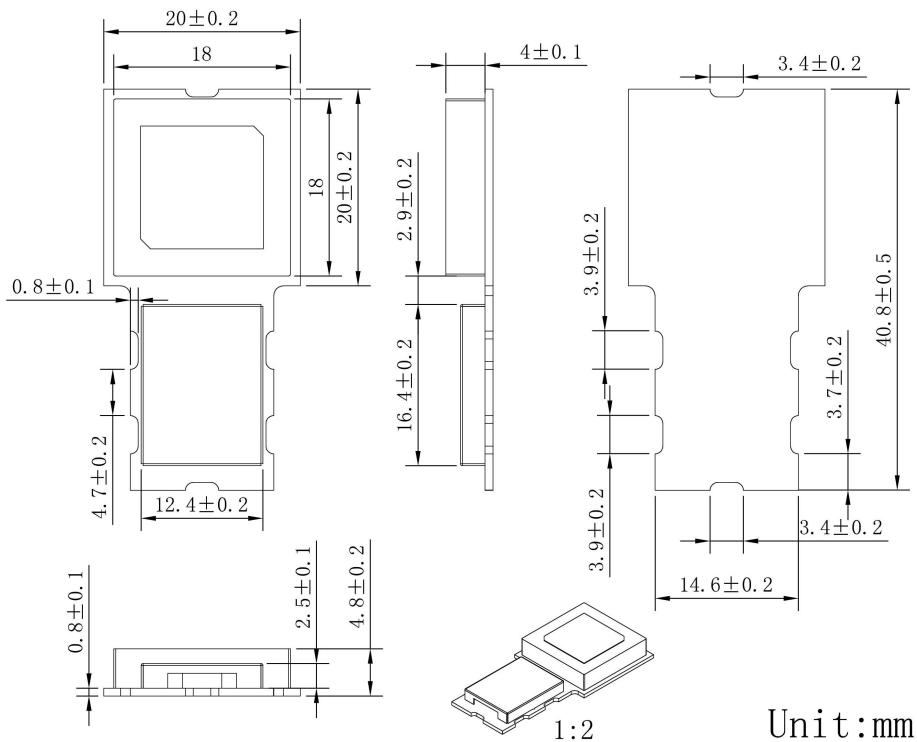


GPS Internal Active Antenna JCA044S



DIMENSIONS



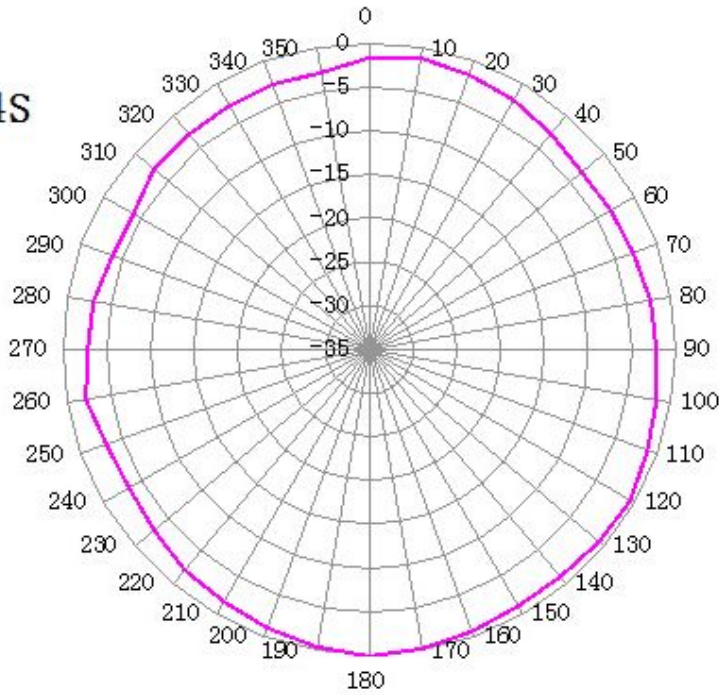


SPECIFICATIONS

Item		Specifications
Antenna	Center Frequency	1575.42 ± 1MHz
	Band Width	CF ± 5MHz
	Polarization	RHCP
	Gain	1.5dBic (Zenith)
	V.S.W.R	<2.0
	Impedance	50 Ω
	Axial Ratio	4dB (Typ.)
LNA	Gain	26 ± 2dB
	Noise Figure	<2.0
	Supply Voltage	2.7~3.3V DC
	Current Consumption	<14mA@3.3V
	V.S.W.R	<2.0
Mechanical	PCB Material	FR4
	Mounting Method	Soldering
Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Vibration	10 to 55Hz with 1.5mm amplitude 1 hours
	Environmentally Friendly	ROHS Compliant

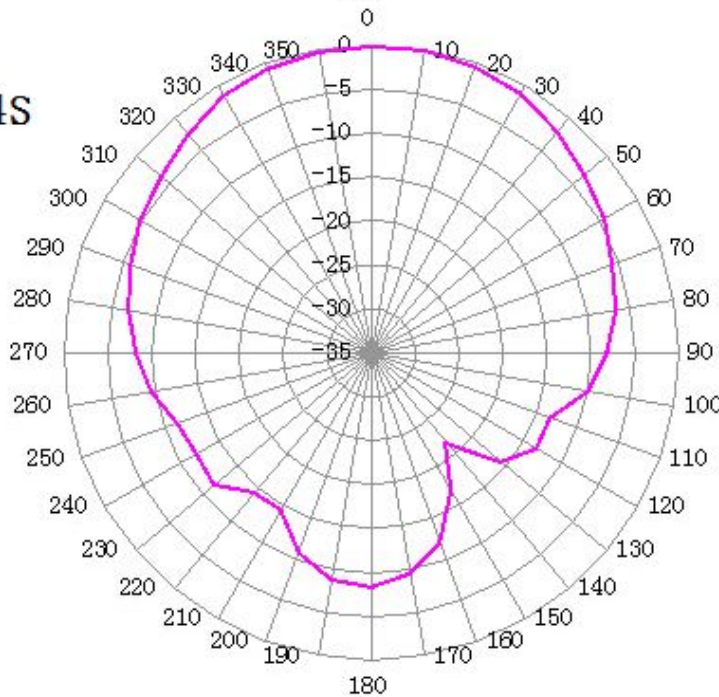
Radiation Pattern

JCA044S



XY PLANE

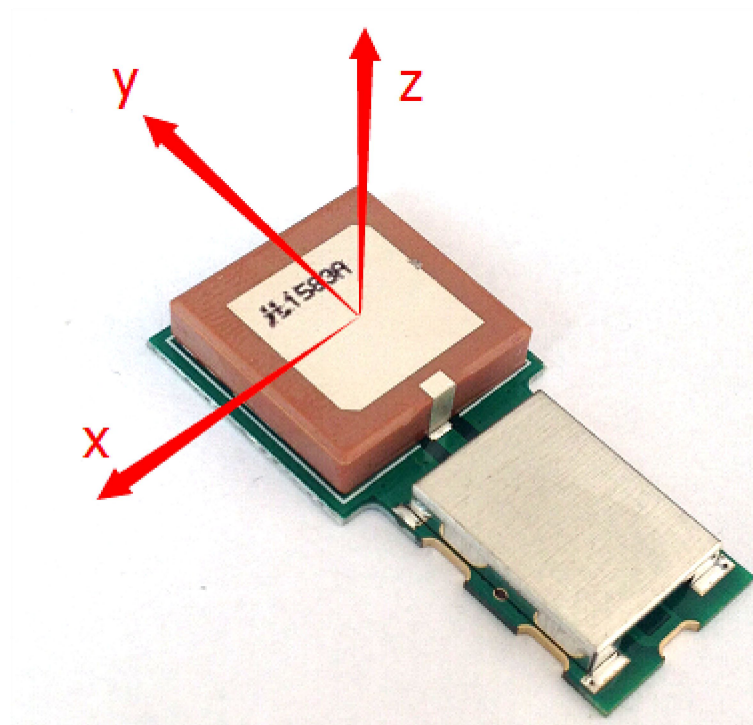
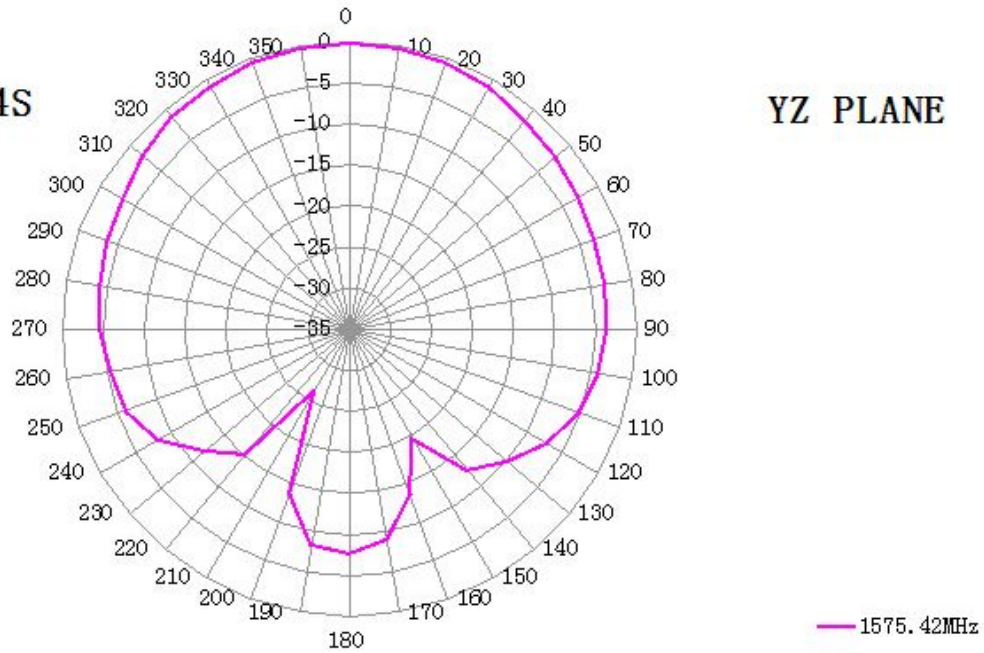
JCA044S



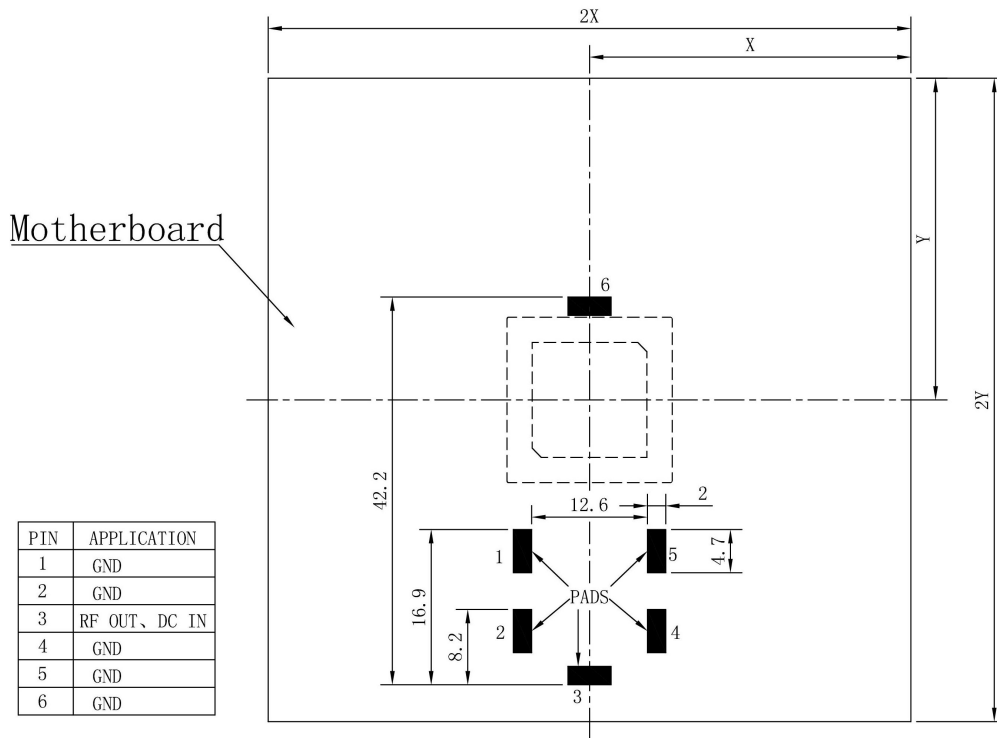
XZ PLANE

JCA044S

YZ PLANE



Recommended Pads



PIN	APPLICATION
1	GND
2	GND
3	RF OUT, DC IN
4	GND
5	GND
6	GND

Suggest $X, Y \geq 35\text{mm}$

Unit:mm