
COXSAT

恪赛科技

Marketing Department

Product Specification

Product Name: Ku-band Rx768 Full Polarization Phased Array Antenna

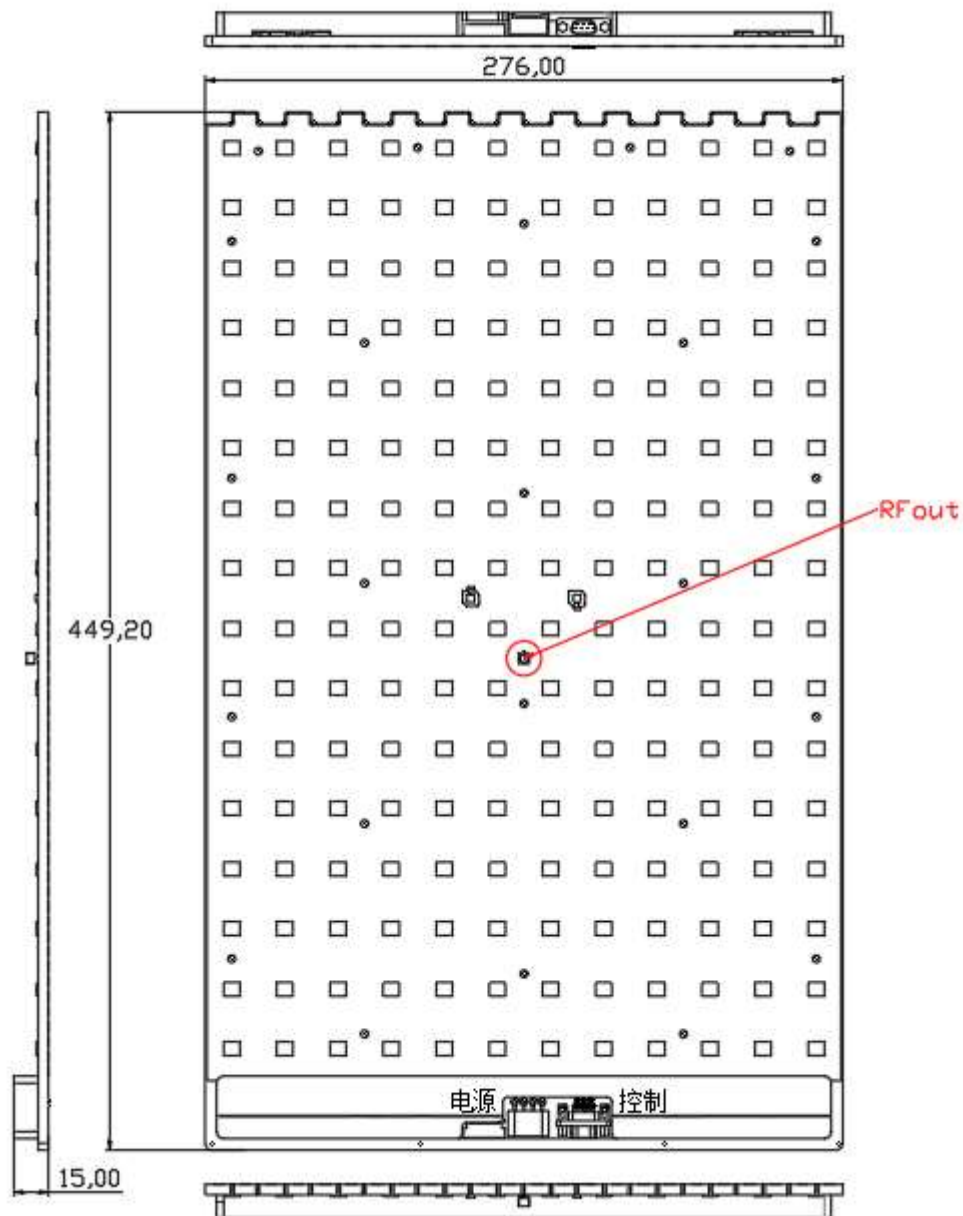
Ku-band Rx768 Full Polarization Phased Array Antenna

1 Technical Parameters

S/N	Items	Technical Parameters	Remarks
1	Working Frequency	10.7GHz to 12.7GHz	
2	Scanning Range	$\pm 70^\circ$	
3	G/T @40K	$\geq 10\text{dB/K}$ @11.7GHz, Normal direction	
4	Active Gain	$\geq 67.0\text{dB}$ @11.7GHz, Normal direction	
5	Beamwidth	$3.1^\circ \pm 0.2^\circ$ @11.7GHz, Normal direction	
6	Pointing Accuracy	$\leq 1/8$ half-power beamwidth	
7	Sidelobe Suppression	$\geq 12\text{dB}$ @ normal	
8	Polarization	Full Polarization	
9	Cross Polarization Isolation	$\geq 30\text{dB}$ @ Normal direction	
10	Polarization Switching Time	$\leq 0.5\text{ms}$	
11	Beam Switching Time	$\leq 0.3\text{ms}$	
12	Dimensions	450mm* 264mm* 15mm	
13	Weight	$\leq 1.7\text{Kg}$	
14	Input Voltage	DC12V \pm 1V	
15	Power Consumption (P1dB)	$\leq 97\text{W}$	
16	Working Temperature	$-40^\circ\text{C} \sim +70^\circ\text{C}$	

Note: The above indicators do not include radome loss.

2 Array Drawing



Note: The specific size shall be subject to the 3D model.

3 Product Photo

