



Phased array antenna series product

PRODUCT INTRODUCTION

Name: millimeter wave phased array antenna assembly

Series: SL-PhAA



Ka band 1024-Element receiver subarray		SL-PhAA-A1024R	
Sub-array indicator parameters			
Receiving Frequency	17.7GHz ~21.2GHz	Beam sweep	Azimuth Angle: 0°~360°, Off-axis Angle: 0°~60°
The first sidelobe	-12dB @0°	Polarization	LHCP/RHCP
Number of channels	1024	Axial ratio	≤3dB@0°, ≤5.5dB @60°
G/T*	7dB/K@0°, 2.5dB/K @60°	Beam width	3.4°@0°
Interface characteristic			
RF interface	SSMA-KFD24/50Ω	Control interface	J30J-21ZKWP1-J
Physical dimensions and electrical characteristics			
Apparent dimension	290mm×224mm×13mm	Input voltage	DC+12V (11V ~13V)
Weight	0.68Kg	Power consumption	≤45W
Environmental index			
Working temperature	-40°C~+70°C	Storage temperature	-55°C~+85°C

*G/T The air noise temperature is 60 K