



Phased array antenna series product

PRODUCT INTRODUCTION

Name: millimeter wave phased array antenna assembly

Series: SL-PhAA



5G millimeter wave RF front end		SL-PhAA-256 T/R	
Sub-array indicator parameters			
Antenna type	Two dimensional swept phased array antenna	Beam sweep	Azimuth Angle: 0°~360°, Off-axis Angle: 0°~60°
Frequency	24.25 GHz~27.5GHz	Number of channels	256
Polarization	Linear polarization	Working mode	TDD(MIMO)
Beam width	≥ 6°@0°@26GHz	Cross-polarization	≥15dB@0°@26GHz
EIRP	≥65dBm@0°@26GHz	G/T at room temperature 290K	≥-10dB/K@0°@26GHz
Out Power P-1	15dBm	TDD switching time	≤ 3μs
Interface characteristic			
RF interface	2.92K (number of 5)	Control and Power supply interface	J30J-21ZKP4
Physical dimensions and electrical characteristics			
Apparent dimension	260mm×260mm×60mm	Input voltage	DC +12V
Weight	≤3.6KG	Power consumption	≤120W
Environmental index			
Working temperature	-40°C~+60°C	Storage temperature	-55°C~+70°C