

CK-A5

UHF RFID Circular Polarized Antenna



The CK-A5 UHF RFID Circular Polarized Antenna is engineered for high-efficiency RFID applications in industrial and commercial environments. With a compact 128x128x20mm design and >5dBi gain, it enables reliable 0-10m tag reading in asset tracking, warehouse management, and retail inventory systems. Featuring a robust ABS-aluminum hybrid casing and -40°C~85°C operational range, this antenna ensures consistent performance under extreme conditions while maintaining <3dB axial ratio for optimal polarization efficiency.

- Rugged ABS+Aluminum IP65 Design
- RFID technology 840~960MHz optional, support protocol extension
- Ultra-Low 1.3:1 VSWR for Stable Transmission
- With free DEMO, SDK, open API, to meet the customer's various environment function development

● Specification

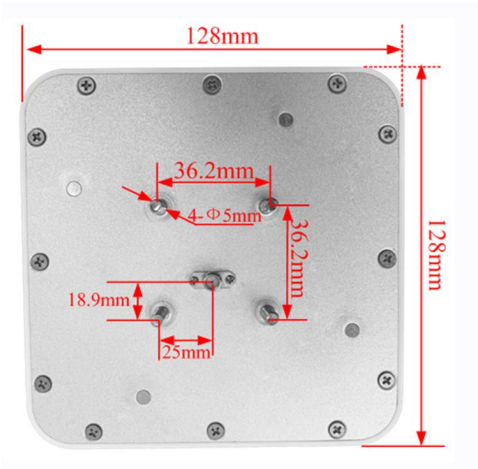
Model	CK-A5
 RF SPECIFICATION	
Identification Method	UHF
C	840MHz ~ 960MHz
Protocol Support	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Antenna Gain	0-33 dbm adjustable
Read Distance	0-8m adjustable
Polarization Type	Circular
Peak Gain @915MHz	5dBi
Axial Ratio	<3dB
H-plane HPBW	86°±2°
E-plane HPBW	86°±2°
VSWR	≤1.3:1
Impedance	50Ω
Connector Type	SMA-KF
Size	128mm×128mm×20mm
Weight	235g
 BASIC SPECIFICATION	
Material	ABS+Aluminum 6061
Working Humidity	10%RH~90%RH
Operat Temperature	-40°C~+85°C
IP Rating	IP65

- **Related Model**

- **Common Solution**

Smart Library, Archival Room, Tool Room, Supermarket, etc.

- **Dimension**



Unit : mm (inch)
Weight. : about 235g

- **Accessory**

No.	item	units	quantity
1	power supply	pcs	1
2	fixed bracket	pcs	1



RFID IoT Application



Need Advice



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