

CK-A11

UHF RFID SHELF ANTENNA



The CK-A11 UHF RFID Shelf Antenna is engineered for high-performance RFID applications in smart inventory systems. Featuring circular polarization and >11dBi gain, it ensures stable signal transmission with minimal interference. Its robust ABS+aluminum construction withstands extreme temperatures (-40°C to +85°C), while the IP65 rating guarantees durability in industrial environments.

- 11dBi High Gain with Ultra-Low VSWR
- Rugged IP65 Design for Harsh Environments
- Wide 840-960MHz Frequency Compatibility
- Near-Field/Far-Field Hybrid Operation (0-3m)
- Easy Installation with Universal Mounting

- Specification

Model	CK-A11
 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	0-15m adjustable
Polarization Type	Circular
Peak Gain @915MHz	11dBi
Axial Ratio	≥3dB
H-plane HPBW	85
E-plane HPBW	70
VSWR	≤1.3:1
Impedance	50Ω
Connector Type	N-Type Female
Size	340×198×15mm
Weight	850g

| BASIC SPECIFICATION

Material	ABS+Aluminum 6061
Working Humidity	10%RH~90%RH
Operat Temperature	-40 ~ 55 °C
IP Rating	IP65

- **Related Model**

- **Common Solution**

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

- **Accessory**

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





RFID IoT Application



Need Advice



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