

CYKEO-A3

UHF RFID 3DBi ANTENNA



The CYKEO-A3 Ceramic UHF RFID Antenna delivers superior RF performance for industrial RFID systems. Engineered with advanced PCB material and circular polarization technology, it achieves $>3\text{dBi}$ gain with $\text{VSWR} \leq 1.3:1$ across full UHF spectrum. Ideal for integration into fixed readers, vehicle-mounted trackers, and smart shelf solutions requiring stable long-range detection.

- Rugged ABS+Aluminum IP65 Design
- IP65-Rated Industrial Durability
- Ultra-Low 1.3:1 VSWR for Stable Transmission
- 5m+ Long-Range Tag Detection

● Specification

Model	CYKEO-A3
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	3dBi
Axial Ratio	<0dB
H-plane HPBW	70° ±2°
E-plane HPBW	70° ±2°
VSWR	≤1.3:1
Impedance	50 Ω
Connector Type	SMA-KF
Size	51*51*15mm
Weight	230g
BASIC SPECIFICATION	
Material	ABS+Aluminum
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.

- Accessory

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





RFID IoT
Application



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