PART NUMBER RA-WB-SM-N-D01

RFID-Bookshelf Antenna



FREQUENCY RANGE

0.89 to 0.94 GHz

GAIN

3 dBic

DIMENSIONS

168 × 140 × 9 mm

The RFID-Bookshelf Antenna is a compact 168 × 140 × 9 mm UHF RFID antenna covering 0.89 to 0.94 GHz with 3 dBic gain, sized for shelf-level reading. LHCP/RHCP circular polarization with an axial ratio below 3 dB tolerates varied tag orientation, and a front to back ratio above 10 dB limits reads from behind the antenna. An ABS cover and SMA Female connector suit library, retail inventory and asset tracking installations.

APPLICATIONS

- Warehouse Management
- Retail Inventory
- Asset Tracking
- Library Management
- Access Control

FEATURES

01 168 × 140 × 9 mm compact form for shelf mounting

02 3 dBic gain across 0.89 to 0.94 GHz

03 LHCP/RHCP circular polarization with axial ratio < 3 dB

04 Front to back ratio > 10 dB

05 VSWR ≤ 1.25, 10 W maximum power, SMA Female connector

TECHNICAL SPECIFICATIONS

VSWR	≤ 1.25
Axial Ratio	< 3 dB
Front to Back Ratio	> 10 dB
Power max	10 W

Polarization	LHCP/RHCP
Connector	SMA Female
Cover	ABS