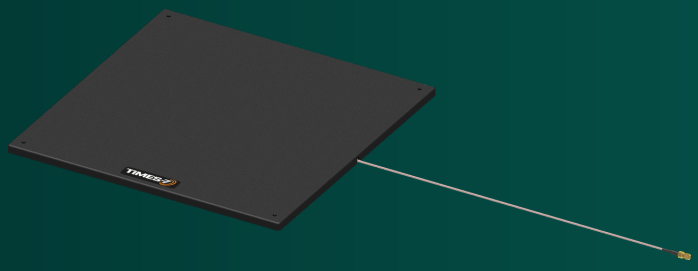
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - SlimLine Shelf Antenna
Times-7 - A7030C



- Only 8.5 mm thick, 300 x 300 mm panel
- 6 dBiC gain, 65° beam in both planes
- Right-hand circular polarisation, AR 2 dB
- Array-Ability feet for scalable layouts
- Drill-through guides for flush mounting

UHF RFID | RAIN - SlimLine Shelf Antenna
8.5 mm thin 6 dBiC circular shelf antenna, 300 x 300 mm

The Times-7 A7030C is a circularly polarised RAIN RFID shelf antenna from the SlimLine range. At only 8.5 mm thick (11.5 mm with feet) and 300 x 300 mm, it fits into existing shelving and cabinets. A right-hand circularly polarised element delivers 6 dBiC gain with a 65° 3 dB beamwidth in both planes for real-time item-level inventory on the shelf above.

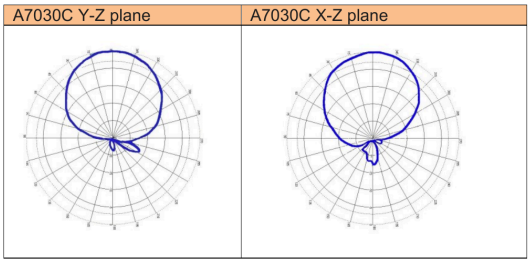
Typical VSWR is 1.4:1, axial ratio 2 dB and front-to-back ratio 17 dB. The antenna covers 865–868 MHz (ETSI) or 902-928 MHz (FCC) and works with any UHF RFID reader with a 50 Ω antenna port at up to 3 W input power; a 10 kΩ detection resistance lets readers identify a connected antenna, and the DC-grounded design provides anti-static protection.

The fire-retardant ABS radome is rated IP54. The Array-Ability feet let several antennas be combined into scalable, customised shelf layouts, and four drill guides in the radome can be drilled through for flush mounting without damaging the antenna. Connection is via a 365 mm side fly lead with SMA jack; SMA to RP-TNC cables in 2, 4, 6 and 8 m are listed under Cable Accessories. The antenna is built in New Zealand and is RoHS and CE compliant.

Common Applications

- Retail Item-Level Tracking
- Jewellery Inventory
- Workshop Tool Tracking
- Industrial Tool Cabinets
- Real-Time Asset Management
- Shelving And Cabinets

Radiation Pattern



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TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Right-hand circular
Far-Field Gain	6 dBiC
3 dB Beamwidth	65° in both planes
VSWR	1.4:1 typical
Axial Ratio	2 dB typical
Front-to-Back Ratio	17 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A7030C, ETSI	71582
A7030C, FCC	71584

Mechanical

Dimensions	300 x 300 x 8.5 mm
Depth with Feet	11.5 mm
Weight	0.83 kg net, 1.03 kg gross
Radome	Fire-retardant ABS
Connector	SMA jack, side fly lead 365 mm
Mounting	Integrated drill guides, feet
Boxed Dimensions	335 x 315 x 35 mm

Environmental

Protection Class	IP54
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +65 °C
Compliance	RoHS, CE

Cable Accessories (SMA to RP-TNC)

2 m, T7 195 / 240 / 400	71436 / 71782 / 72042
4 m, T7 240 / 400	71784 / 72043
6 m, T7 240 / 400	71904 / 72044
8 m, T7 240 / 400	71788 / 72045