iDTRONIC

PROFESSIONAL RFID

Shelf Antenna
A7030C

Applications

· **Retail**

· **Asset tracking**

· **Supply chain**

· **Shelving / cabinet applications**

Features

· **Ultra low-profile**

· **Only 8.5 mm / 0.3 inch thick**

· **Innovative Array-Ability**

· **Multi-purpose antenna**

RFID Options

· **UHF** (865 - 867 MHz / 902 - 928 MHz)

Description

Part of our SlimLine range of antennas, the A7030C with its innovative 'Array-Ability' design offers a highly scalable and customised antenna solution for a wide range of RFID deployments.

At just 8.5 mm / 0.3 in. thick, the A7030C combines ultra-low profile and intelligent scalable design, with the performance of a circular polarised UHF antenna.

With a highly durable Kydex radome and flexible easy mounting options, including the use of innovative 'Array-Ability' feet, the A7030C is ideal for existing shelving systems, providing real-time asset & inventory management – quite simply the smartest antenna on the shelf.

Technical Data

Electrical Specifications	
Frequency Range	ETSI: 865- 867 MHz FCC: 902 - 928 MHz
Polarisation	Circular
Far-field Gain	5dBic (ETSI) / 6dBic (FCC)
Far-field 3dB beamwidth	65° in vertical, 65° in horizontal
Typical VSWR across frequency range	< 1.4:1
Front to back ration	22dB (ETSI) / 17dB (FCC)
Axial Ratio	2db (ETSI) / 3dB; max: 4dB (FCC)
Nominal Impedance	50 Ω
Anti-static protection	Yes
Max. Input Power	6 W

| Physical / Environmental Specifications	
Dimensions	300 mm x 300 mm x 8,5 mm 11.8 in. x 11.8 in. x 0.3 in
Weight	0.75kg / 1.6 lbs.
Radome Material	Fire ratardant Kydex
Environmental Rating	IP54
Operating / Storage Temperature	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Mounting	integrated mounting guides
Connector type / position	SMA female side fly lead (400 mm / 15 ¾ in.) Custom lenghts available for array options

E-field elevation & Azimuth Patterns
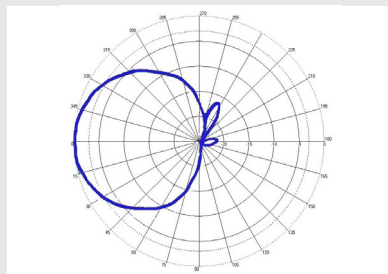
Vertical
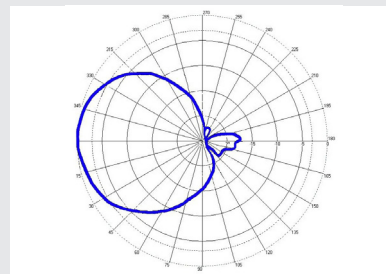
Horizontal

Array-Ability
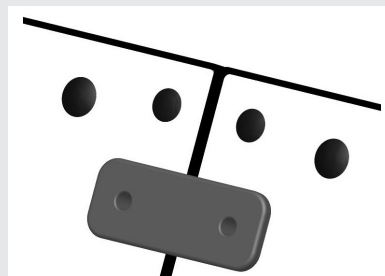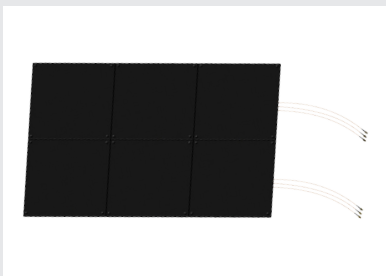
Order Codes

Version	Order Code
ETSI (865-867 MHz)	R-T7-A7030C-ETSI
FCC (902-928 MHz)	R-T7-A7030C-FCC