

CIRCULAR POLARISED UHF SHELF ANTENNA

SlimLine - A7030C

ABOUT TIMES-7

Pushing the boundaries of RFID technology worldwide Times-7 are leaders in RFID antenna design and manufacture. Our patented award winning UHF antennas meet the needs of virtually any industry application; providing customers with fast accurate tracking of products, assets & people; empowering organizations to transform processes & reduce costs.

Our SlimLine range of antennas are unique in the RFID industry; offering high levels of performance & durability in an aesthetically superior form.

Proven in a diverse & growing range of markets, applications include: retail & customer interaction, conference & people tracking, race timing, baggage handling, and logistic & supply chain asset management.

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The SlimLine A7030C

Unique, ultra-low profile circular polarised flat panel antenna

Just 8.5 mm / 0.3 in. thick

Innovative 'Array-Ability' design - easily customised & scalable

Typical applications:

Retail item level tracking,
 tool tracking &

all shelving / cabinet applications

Part of the SlimLine range of shelving 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 – it's quite simply the smartest antenna on the shelf.

Physical / Environmental Specifications

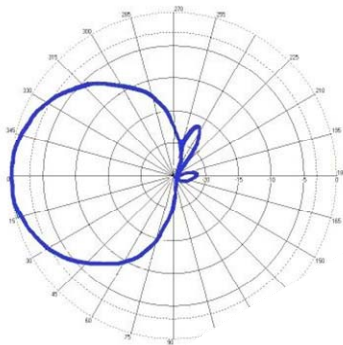
Dimensions (LxWxD):	300 mm x 300 mm x 8.5 mm (11.5 mm / with feet) 11.8 in. x 11.8 in. x 0.3 in. (0.4 in. / with feet)
Weight:	750 g / 1.6 lbs.
Radome Material:	Fire retardant Kydex
Environmental Rating:	IP54
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Mounting:	Integrated mounting guides
Connector type / position:	SMA female side fly lead (400 mm / 15 ¾ in.) Custom lengths are available for array options
Cable:	2m SMA to RPTNC (included)

Electrical Specifications

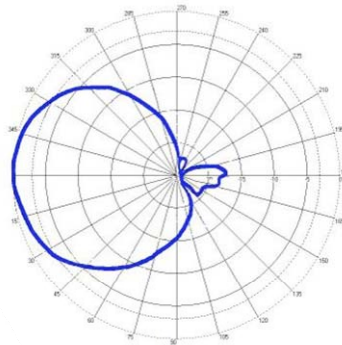
Band:	ETSI	FCC
Frequency Range:	864 – 869 MHz	902 – 928 MHz
Polarisation:	Circular	Circular
Far-field Gain:	5dBic	6dBic
Far-field 3dB beamwidth:	65° in vertical, 65° in horizontal	65° in vertical, 65° in horizontal
Typical VSWR across frequency range:	< 1.4:1	< 1.4:1
Front to back ratio:	22dB	17dB
Axial Ratio:	typ: 2dB	typ: 3dB / max: 4dB
Nominal Impedance:	50 Ω	50 Ω
Anti-static protection:	Yes	Yes
Maximum Input Power:	6 W	6 W

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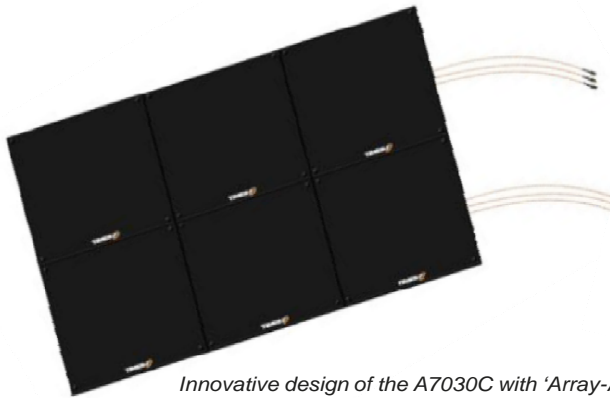
E-field elevation & Azimuth Patterns



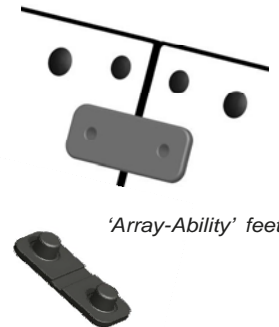
Vertical



Horizontal



Innovative design of the A7030C with 'Array-Ability'



'Array-Ability' feet

Ordering Information (please quote both product code & part no.)

Product Code	Band	Part No.
A7030C	ETSI 864-869 MHz	71582
A7030C	FCC 902-928 MHz	71584
Cable 4m, SMA to RPTNC		71437
Cable 8m, SMA to RPTNC		71438

Applications

- Retail / Jewelry item level tracking
- Workshop / Industrial Tool tracking
- All Shelving / Cabinet applications



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Datasheet v1.0

OUR GLOBAL NETWORK
Constantly increasing market reach and influence in the global RFID industry, Times-7's international support spans The Americas, Europe, and Asia Pacific regions through our distributor, authorized reseller and integrated solutions provider network.