

# CIRCULARLY POLARIZED 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.

Times-7  
29 Railway Avenue  
Lower Hutt 5010  
New Zealand

NZ + APAC  
P: +64 4 974 6566

AMERICAS  
P: +1 408 769 5025

E: [info@times-7.com](mailto:info@times-7.com)

[www.times-7.com](http://www.times-7.com)



*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 customized antenna solution for a wide range of RFID deployments.

At just 8.5 mm / 0.3 " thick, the A7030C combines ultra-low profile and intelligent scalable design, with the performance of a circularly polarized UHF antenna. With a highly durable ABS 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

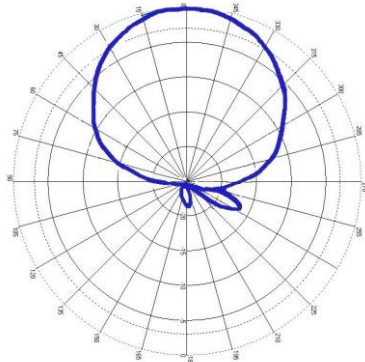
Dimensions (L x W x D):	300 mm x 300 mm x 8.5 mm (11.5 mm / with feet) 11.8 ' x 11.8 ' x 0.3 ' (0.4 in. / with feet)
Weight:	750 g / 1.6 lbs.
Radome Material:	Fire retardant ABS
Environmental Rating:	IP54
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Mounting: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

### Electrical Specifications

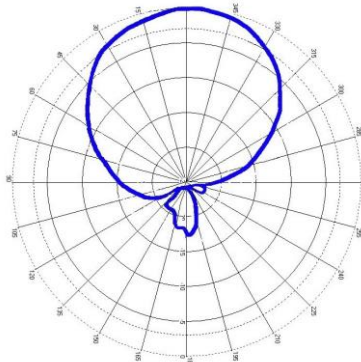
Band:	ETSI	FCC
Frequency Range:	865-867 MHz	902-928 MHz
Polarization:	Circular	Circular
Far-field Gain:	5 dBiC	6 dBiC
Far-field 3dB beamwidth:	65° in vertical, 65° in horizontal	65° in vertical, 65° in horizontal
Typical VSWR across frequency range:	< 1.4:1	< 1.4:1
Front to back ratio:	22 dB	17 dB
Axial Ratio:	typ: 2 dB	typ: 3 dB / max: 4 dB
Nominal Impedance:	50 Ω	50 Ω
Anti-static protection:	Yes	Yes
Maximum Input Power:	6 W	6 W

# CIRCULARLY POLARIZED UHF SHELF ANTENNA SlimLine - A7030C

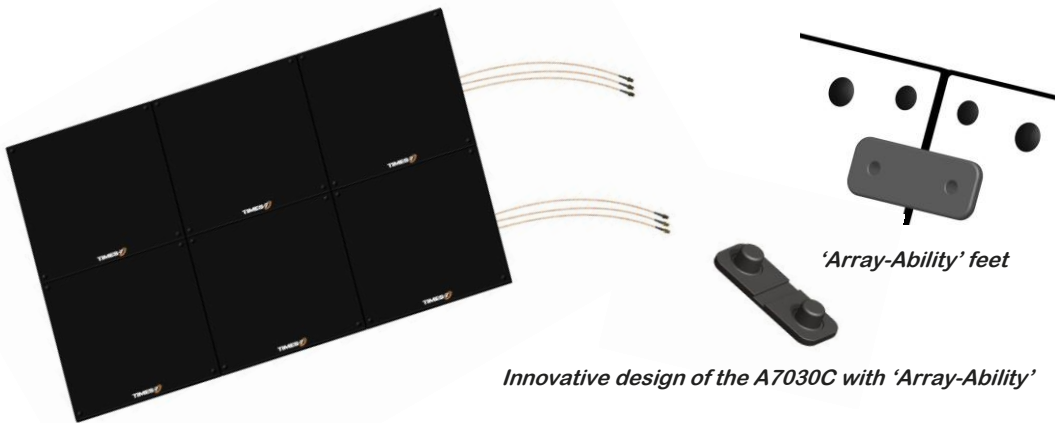
*E-field elevation & Azimuth Patterns*



Vertical



Horizontal



*Innovative design of the A7030C with 'Array-Ability'*

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

Product Code	Band	Part No.
A7030C	ETSI 865-867 MHz	71582
A7030C	FCC 902-928 MHz	71584

## Applications

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



The technical data contained in this publication is not a guarantee for which Times-7 Research Ltd assumes legal accountability. It is indicative of typical performance, and if required should be relied on for specific applications only after due verification.

All technical data, specifications and other information contained herein are deemed to be the proprietary intellectual property of Times-7 Research Ltd. No reproduction, copy or use thereof may be made without the express written consent of Times-7 Research Ltd.

**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.

Times-7 HQ  
29 Railway Avenue  
Lower Hutt 5010  
New Zealand

NZ + APAC  
P: +64 4 974 6566

Times-7 USA  
21060 Homestead Road  
Suite 226  
Cupertino, CA  
95014

AMERICAS  
P: +1 408 769 5025

E: [info@times-7.com](mailto:info@times-7.com)

[www.times-7.com](http://www.times-7.com)