

# 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 organisations 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.



*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	

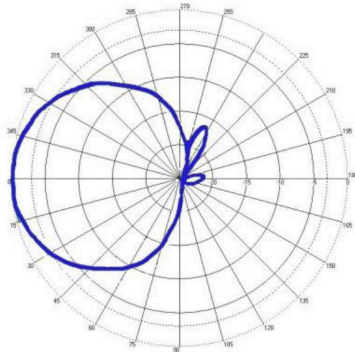
### Electrical Specifications

Band:	ETSI	FCC
Frequency Range:	865 – 867 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

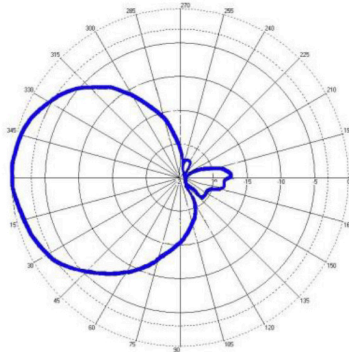
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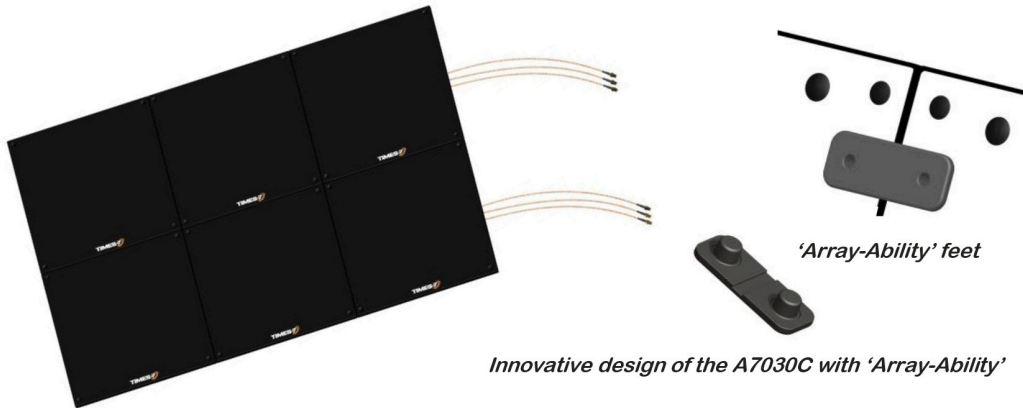
*E-field elevation & Azimuth Patterns*



Vertical



Horizontal



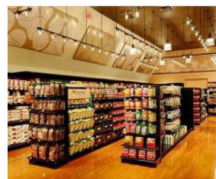
*Innovative design of the A7030C with 'Array-Ability'*

**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



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 1.205.383.2244 | Outside USA  
 info@atlasRFIDstore.com  
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