ABOUT TIMES-7

We are a high-tech company specializing in the design and manufacture of RAIN (UHF) RFID antennas. Founded in 2006, Times-7 has developed the largest portfolio of fixed RAIN RFID reader antennas. Based in Lower Hutt, New Zealand we export all over the world through an authorized network.

Times-7 antennas are famous for their quality and performance.

In addition to our world-class products and in-depth expertise, our customers appreciate Times-7's customer service and technical support.
We are responsive in supporting a large global customer base and ensuring the success of our customer's implementations.

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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

The SlimLine A7030C

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.
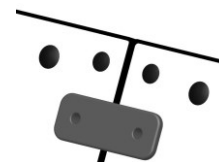
'Array-Ability' feet

Innovative design of the A7030C with 'Array-Ability'

Azimuth Planes

1
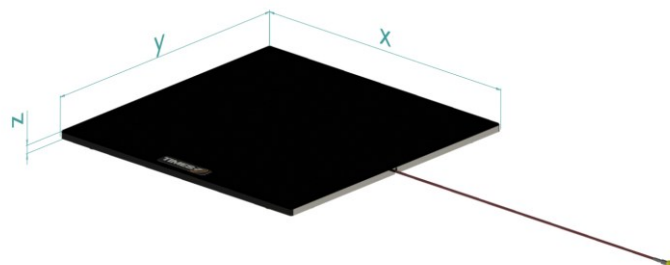
Order Information

<div align="center">Ordering Information (please quote both product code & part no.)</div>

*Antenna Product Code	Band	Part No.
A7030C	ETSI 865-868 MHz	71582
A7030C	FCC 902-928 MHz	71584
Cable Accessories	**Cable Type**	**Part No.**
Cable 2 m, SMA to RPTNC	T7 195 / 240 / 400	71436 / 71782 / 72042
Cable 4 m, SMA to RPTNC	T7 240 / 400	71784 / 72043
Cable 6 m, SMA to RPTNC	T7 240 / 400	71904 / 72044
Cable 8 m, SMA to RPTNC	T7 240 / 400	71788 / 72045

*Built in New Zealand. ROHS & CE compliant.

View the Times-7 Cable Accessory datasheet here

Specifications

Physical / Environmental Specifications

Dimensions: Length (x) x Width (y) x Depth (z)	300 mm x 300 mm x 8.5 mm (11.5 mm / with feet) 11.81" x 11.81" x 0.33" (0.45" / with feet)
Boxed unit dimensions: (L x W x D):	335 mm x 315 mm x 35 mm / 13.18" x 12.4" x 1.37"
Net weight:	0.83 kg / 1.8 lbs.
Gross weight	1.03 kg / 2.3 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 (365 mm / 15 ¾ in.)

Electrical Specifications

Frequency Range:	ETSI 865-868 MHz / FCC 902-928 MHz
Polarization:	RHCP (Right Hand Circular Polarized)
Far-field Gain:	6 dBiC
Far-field 3dB beamwidth: *	65° in both planes
VSWR	1.4:1 Typical
Front to back ratio:	17 dB
Axial Ratio:	2 dB typical
Nominal impedance:	50 Ω
Anti-static protection:	Yes, DC grounded
Antenna detection	10 K Ω resistance
Maximum Input Power:	3 W

Radiation Pattern
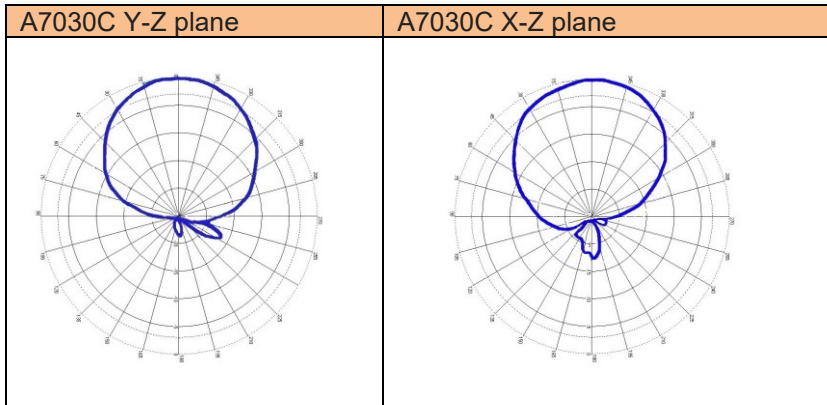
A7030C Y-Z plane	A7030C X-Z plane

Mounting Information

Flush mount

The A7030C has 4 drill guides on the antenna radome, which can be drilled through without damaging the antenna. For the exact position please refer to the mechanical drawings. For further instructions please click here.

Installation Instructions

- Ensure that only finger tightness is used for the SMA connector. Use of tools to tighten the connector will apply excessive force and will damage the connector.
- Avoid any load or bending force from the cable on the connector.

Applications

Retail / Jewelry item level tracking

Using RFID tags on jewelry allows you to instantly inventory everything. With the A7030C antenna, you'll be able to accurately and confidently track all pieces of expensive jewelry.

Workshop / Industrial Tool tracking

A tool tracking system automates all tool inventory management procedures by using RFID tags, and antennas. With the A7030C antenna you can identify, track and control tools in real-time throughout the workday.

Mechanical Drawing for the A7030C
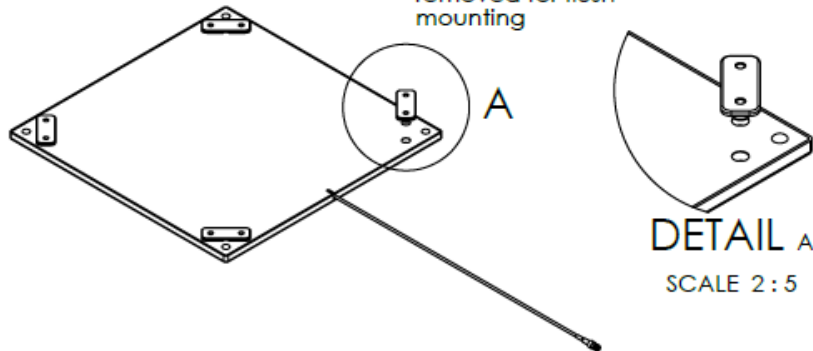
TIMES-7
INTELLIGENT TRACKING | SMART TECHNOLOGY

4x Mounting Guide for
Ø 6 screws/bolts or smaller.
Marker on front surface,
pre-drilled on rear.
See mounting instructions
for further details.

300 ±2

276

12

12

300 ±2

276

R3
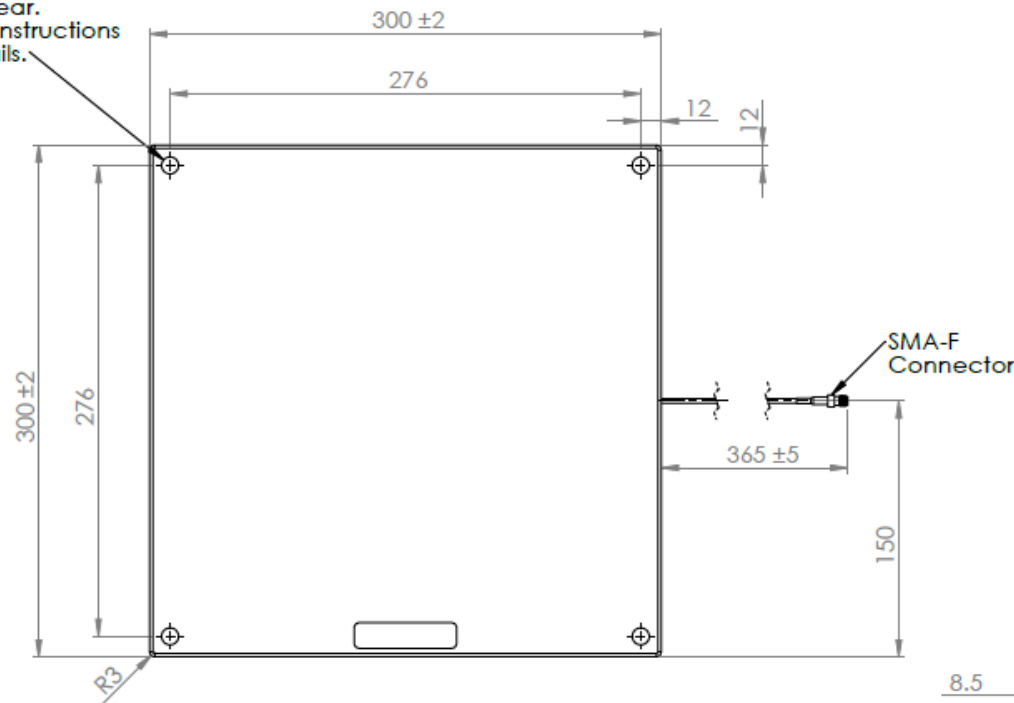
4x Non-Slip Rubber
Feet (Included)

SMA-F
Connector

365 ±5

150

8.5

11.5
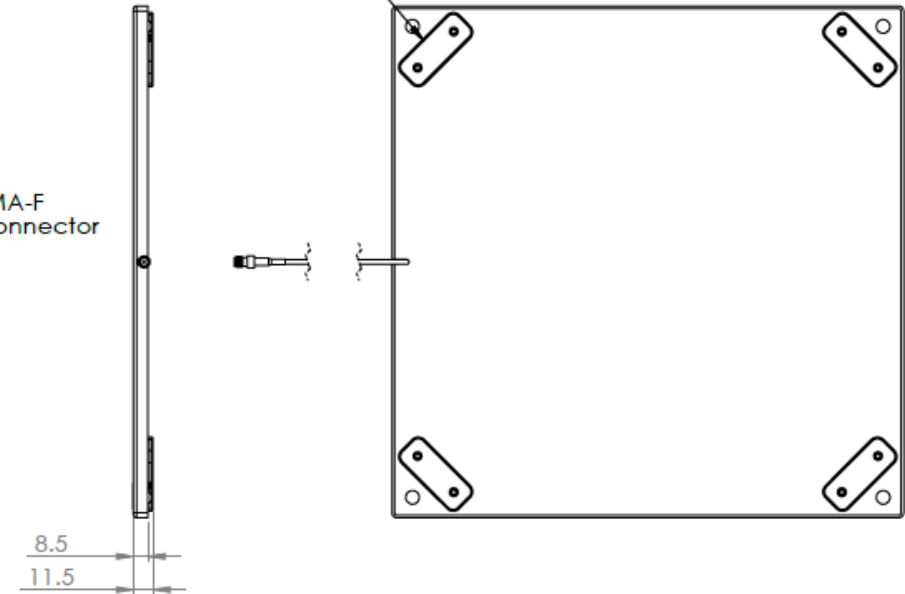
Rubber feet can be
removed for flush
mounting

A

DETAIL A

SCALE 2 : 5

DIMENSIONS ARE IN mm

UNLESS OTHERWISE SPECIFIED
TOLERANCES:
NO DECIMAL PLACES ± 1
ONE PLACE DECIMAL ± 0.5

DESCRIPTION		
A7030C Antenna		
DRAWN	SIGNATURE	DATE
C Wilson		28/05/19
APPROVED	SIGNATURE	DATE
R Lopez		11/06/2019

SIZE A3 | PART NO. 71582 (ETSI) / 71584 (FCC) | REV B

DO NOT SCALE DRAWING | SHEET 1 OF 1

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