

# CIRCULAR POLARISED GROUND MAT ANTENNA

## SlimLine - A5530C

### 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  
P: +64 4 569 1500

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 A5530C Ground Mat*

Ultra-low profile ground mat antenna

Just 12 mm / 0.5 in. thick

Robust design & superb aesthetics

ideal for event / race timing applications

Part of Times-7's exclusively unique range of ground antennas the A5530C is a high performance ground mat antenna optimized for applications involving moving products, assets and people. Offering unmatched performance in event and race timing, the A5530C is ideal for RFID deployments where an ultra-low profile, robust and weather resistant antenna is required.

At just 12 mm / 0.5 in. thick, the durable A5530C has superb aesthetics, IP rating, and load bearing capabilities. With increased versatility, flexibility and performance over traditional side antennas, the unique A5530C ground mat antenna is in a class of its own.

## Specifications

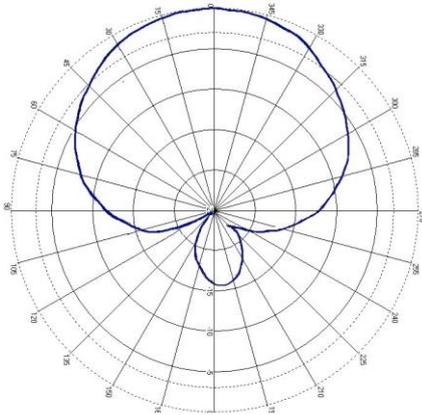
### Physical / Environmental Specifications

Dimensions (LxWxD):	1220 mm x 600 mm x 12 mm 4 ft. x 2 ft. x 0.5 in.
Weight:	8.4 kg / 18.5 lbs.
Radome Material:	Molded polyurethane housing
Environmental Rating:	IP66
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.)

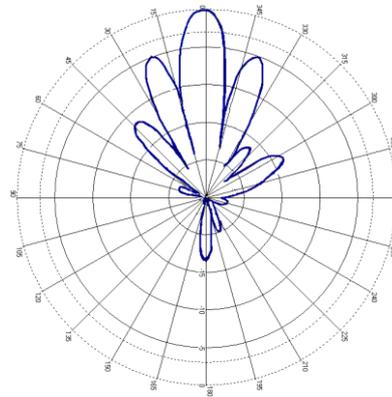
### Electrical Specifications

Frequency Range:	864 – 869 MHz / 902 – 928 MHz
Polarization:	Circular
Far-field Gain:	9.5dBiC
Far-field 3dB beamwidth:	85° in XZ, 13° in YZ
Typical VSWR across frequency range:	< 2:1
Front to back ratio:	18dB
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

*E-field elevation & Azimuth Patterns*



XZ-plane



YZ-plane

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

Product Code	Band	Part No.
A5530C	ETSI 865-868 MHz	71752
A5530C	FCC 902-928 MHz	71644

## Applications

- Event & Race Timing
- Conference Attendee / People Tracking
- Industrial Asset Tracking



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  
P: +64 4 569 1500

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)