

LINEAR POLARISED GROUND MAT ANTENNA SlimLine - A5530

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.

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

www.times-7.com





The A5530 Ground Mat

Part of Times-7's exclusively unique range of ground antennas the A5530 is a high performance ground mat antenna optimised for applications involving moving products, assets and people. Offering unmatched performance in event and race timing, the A5530 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 A5530 has superb aesthetics, IP rating, and load bearing capabilities. With increased versatility, flexibility and performance over traditional side antennas, the unique A5530 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:	Moulded 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.)	
Cable:	2m SMA to RPTNC (included)	

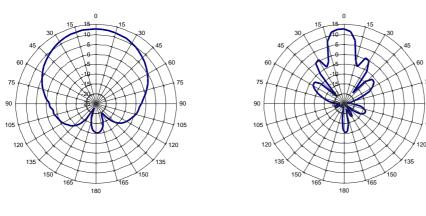
Electrical Specifications

Frequency Range:	865 – 867 MHz / 902 – 928 MHz	
Polarisation:	Linear	
Far-field Gain:	10dBi	
Far-field 3dB beamwidth:	70° in XZ, 25° in YZ	
Typical VSWR across frequency range:	< 1.8:1	
Front to back ratio:	20dB	
Nominal Impedance:	50 Ω	
Anti-static protection:	Yes	
Maximum Input Power:	6 W	



LINEAR POLARISED GROUND MAT ANTENNA SlimLine - A5530

E-field elevation & Azimuth Patterns



XZ-plane

YZ-plane

Ordering Information (please quote both product code & part no.)			
Product Code	Band	Part No.	
A5530	ETSI 865-867 MHz	70887	
A5530	FCC 902-928 MHz	70890	
Cable 4m, SMA to RPTNC		71437	
Cable 8m, SMA to RPTNC		71438	

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

www.times-7.com



Times-7, and the stylized T-7 Antennas logo are trademarks or registered trademarks of Times-7 Research Ltd. All other trademarks are the property of their respective owners. © 2013 Times-7 Research Ltd. All rights reserved. Specifications are subject to change without notice. Datasheet v1.5