

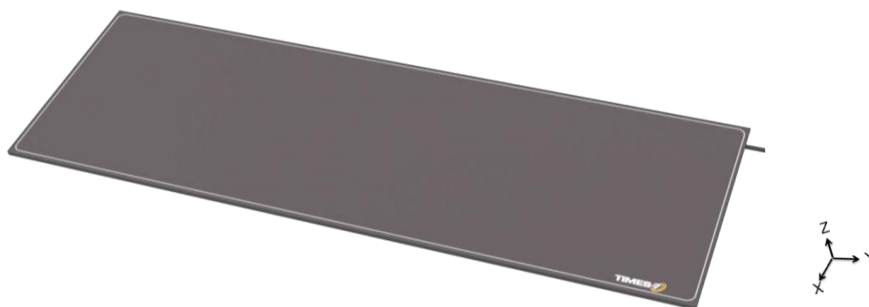
LINEAR POLARISED GROUND ANTENNA

SlimLine - A6590L

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 A6590L Ground Antenna

Part of Times-7's exclusively unique range of ground antennas the A6590L is optimised for RFID deployments involving moving products, assets and people. From conference attendee & people tracking, retail presence aware / loyalty marketing, & race timing, the A6590L is ideal for situations where traditional side antennas are unsuitable or not optimised for the application.

At just 8 mm / 0.3 in. thick, the durable, high performance A6590L is uniquely capable of lying flat on the ground within a doorway sized footprint, and can withstand payloads of over 200 kg (440 lb).

Ultra-low profile linear polarised UHF ground antenna

Just 8 mm / 0.3 in. thick

Typical applications:
Conference attendee & people tracking,
retail marketing,
race & event timing

Specifications

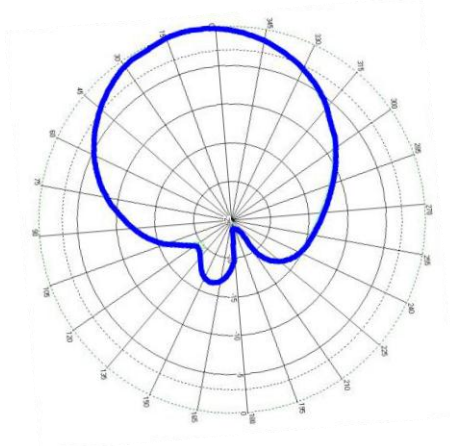
Physical / Environmental Specifications

Dimensions (LxWxD):	910 mm x 300 mm x 8 mm 3 ft. x 1 ft. x 0.3 in.
Weight:	2 kg / 4.4 lbs.
Radome Material:	Fire retardant Kydex
Environmental Rating:	IP65
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.)
Cable:	2m SMA to RPTNC (included)

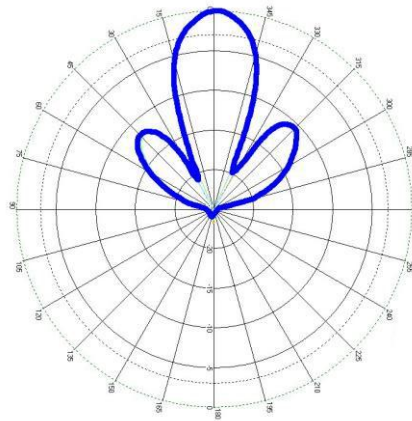
Electrical Specifications

Frequency Range:	864 – 869 MHz / 902 – 928 MHz
Polarisation:	Linear
Far-field Gain:	10dBi
Far-field 3dB beamwidth:	72° in XZ, 23° in YZ
Typical VSWR across frequency range:	< 1.4:1
Front to back ratio:	20dB
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.
A6590L	ETSI 864-869 MHz	71234
A6590L	FCC 902-928 MHz	71211
Cable 4m, SMA to RPTNC		71437
Cable 8m, SMA to RPTNC		71438

Applications

- Conference Attendee / People Tracking
- Retail Presence Aware / Loyalty Based Marketing
- Race & Event Timing



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.

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 v1.3

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.