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.

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Ultra-low profile ground mat antenna

Just 12 mm / 0.5 in. thick

Robust design & superb aesthetics

Ideal for event / race timing applications

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

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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

INTELLIGENT TRACKING SMART TECHNOLOGY

E-field elevation & Azimuth Patterns
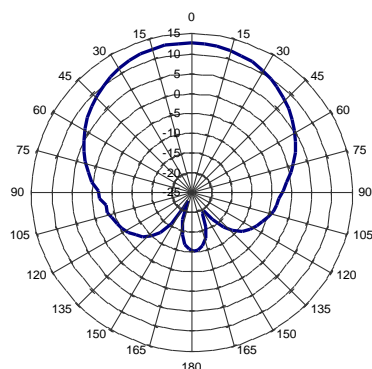
XZ-plane
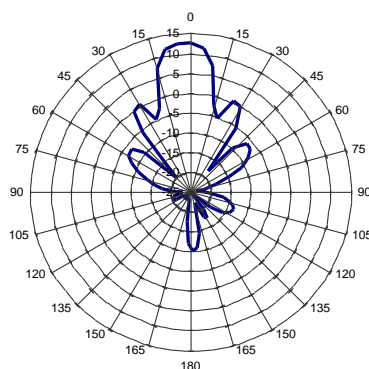
YZ-plane

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.