

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 Comprehensive 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



Just 14mm / 0.55 in. thick

High performance & ultra-rugged

Impact Strengthened

All weather / outdoors

The RuggedLine A3050

Combining high gain and ultra rugged strength the A3050 is ideally suited to waste management and vehicle access control / tolling. The all new Ultra-Rugged Range of antenna's that are impact strengthened and IP67 rated for 24/7 outdoors and all weather use. This Ultra Rugged Range can be ordered in a flush or Rack mount configuration.

Specifications

Physical / Environmental Specifications

Dimensions (LxWxD):	360 mm x 360 mm x 14 mm 14.2 in. x 14.2 in. x 0.55 in.	
Weight:	2.85kg	
Radome Material:	PPE	
Environmental Rating:	IP 67	
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F	
Mounting:	Flush mount standard, rack mount accessory available	
Connector type / position:	SMA Female side connector	

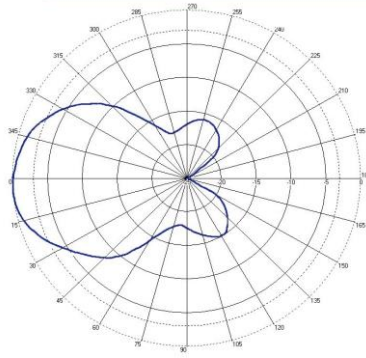
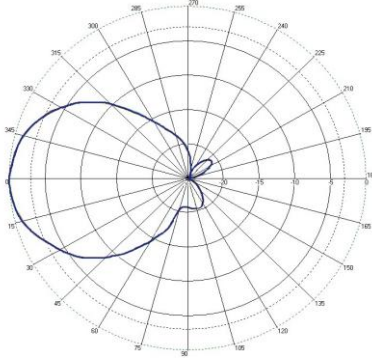
Electrical Specifications

Frequency Range:	864 – 869 MHz	902 – 928 MHz
Polarisation:	Circular	Circular
Far-field Gain:	9dBic Peak	10dBic Peak
Far-field 3dB beamwidth:	Approx 50° in both planes	Approx 50° in both planes
Typical VSWR across frequency range:	<1.4 across the band	<1.4 across the band
Front to back ratio:	-15dB	-15dB
Axial ratio:	<2.5dB Typical	<2.5dB Typical
Nominal Impedance:	50 Ω	50 Ω
Anti-static protection:	Yes	Yes
Maximum Input Power:	6 W	6 W

E-field elevation & Azimuth Patterns

XZ Plane

YZ Plane



Vertical

Horizontal

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

Product Code	Band	Part No.
A3050	902-928 FCC	71673
A3050	864-869 ETSI	71676
Rack Mount Accessory		71757

Applications

- Warehousing
- Access Control / Vehicle Tolling
- Waste management



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
Suite226
Cupertino, CA
95014

AMERICAS
P: +1 408 769 5025

E: info@times-7.com

www.times-7.com