

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 SlimLine A6031

Up to 4 m / 13 ft. read range

Just 12 mm / 0.5 in. thick

Sleek & rugged design, with customer friendly aesthetics

Typical applications:

Retail, office, industry / any space
constrained or customer facing
environment

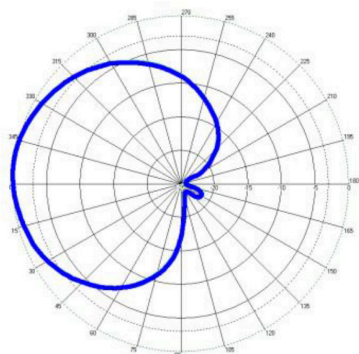
Part of the SlimLine range of multi-purpose antennas, the A6031 is an ultra-low profile circular polarised flat panel antenna for UHF RFID applications in customer facing or space conscious environments. With a 4 m / 13 ft. read range, the A6031 is similar in size and weight to a Tablet PC and can easily blend into any office or retail environment.

Specifications

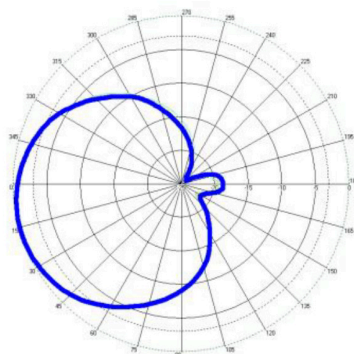
Physical / Environmental Specifications

Dimensions (LxWxD):	275 mm x 214 mm x 12 mm 10.8 in. x 8.5 in. x 0.5 in.
Weight:	0.6 kg / 1.3 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
Mounting:	Integrated mounting holes / no accessory req.
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.)
Vibration:	IEC 68-2-6 (10 to 150 Hz, 0.5g, 1 hr. / 2 axes, Random Vibration)
Humidity:	IEC 68-2-30 (+25° to +55°C / +77° to +131°F / 24 hr. cycle of at least 90% relative humidity)
Cold Test:	IEC 68-2-1 (-40°C / -40°F / 24 hr.)
Heat Test:	IEC 68-2-2 (+70°C / +158°F / 24 hr.)
Temperature Shock Test:	IEC 68-2-1 (10 cycles of 30 mins. at -40°C / -40°F followed by 30 mins. at +70°C / +158°F and back)

E-field elevation & Azimuth Patterns



Vertical



Horizontal

Electrical Specifications

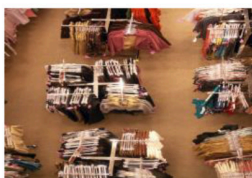
Frequency Range:	865 – 867 MHz / 902 – 928 MHz
Polarisation:	Circular
Far-field Gain:	4dBic
Far-field 3dB beamwidth:	80° in both planes
Typical VSWR across frequency range:	< 1.4:1
Front to back ratio:	18dB
Axial ratio:	<2dB at boresight
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

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

Product Code	Band	Part No.
A6031	ETSI 865-867 MHz	70804
A6031	FCC 902-928 MHz	70810

Applications

- Retail inventory management
- Office asset tracking
- Any space constrained / customer facing environment



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.