

CIRCULAR POLARISED UHF ANTENNA

SlimLine - A6031

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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The SlimLine A6031

Up to 4m / 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.

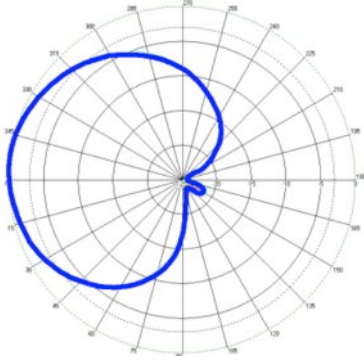
With a 4m / 13 ft. read range, the A6031 is similar in size and weight to a Tablet PC and can easily blend into any office or retail environment.

Specifications

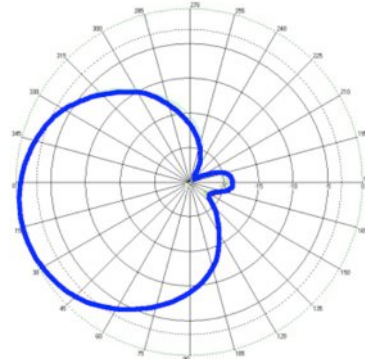
Physical / Environmental Specifications

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 required
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.)
Cable Included (Yes):	2m SMA to RPTNC included
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

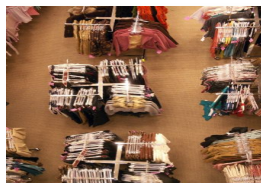
Frequency Range:	864 – 869 MHz / 902 – 928 MHz
Polarisation:	Circular
Far-field Gain:	4dBic
Far-field 3dB beamwidth:	80° in both planes
Typical VSWR across frequency range:	< 1.4:1
Front to back ratio:	18dB
Axial ratio:	<2dB at boresight
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

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

Product Code	Band	Part No.
A6031	ETSI 864-869 MHz	70804
A6031	FCC 902-928 MHz	70810
Cable 4m, SMA to RPTNC		71437
Cable 8m, SMA to RPTNC		71438

Applications

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



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