

T7 ANTENNAS™ SELF CHECK-IN UNDERBELT ANTENNA

SlimLine - A6015

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.

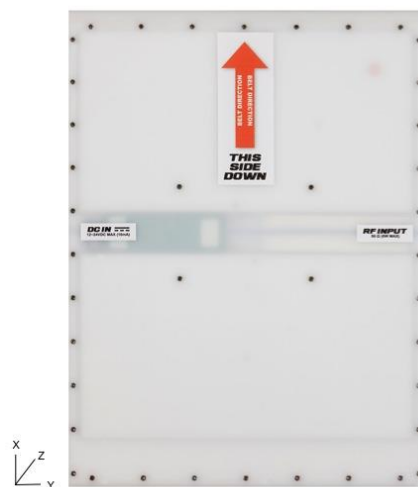
Times-7
29 Railway Avenue
Lower Hutt 5010
New Zealand
P: +64 4 569 1500

APAC
P: +64 4 974 6566

AMERICAS
P: +1 408 769 5025

E: info@times-7.com

www.times-7.com



The SlimLine A6015

Ultra-low profile circular polarised antenna

Especially suited for airport self check-in baggage systems

UHF ActivBeam™ technology for maximum tag-read performance

Typical applications:

Airport self check-in baggage systems

& anywhere stationary assets need to be read

Part of the SlimLine range of airport antennas, the A6015 is a flat panel antenna array especially suited for airport self check-in baggage systems. With UHF ActivBeam™ active beam switching technology, the A6015 'searches' for RFID tags, maximising read performance and ensuring that bag-tags are never missed. Designed for quick and easy installation and just 12 mm / 0.5 in. thick, the A6015 speeds up the process of airport check-in, improving operational efficiencies for baggage handling at airports - or anywhere UHF RFID tag-reading is required where stationary assets can't afford to be missed.

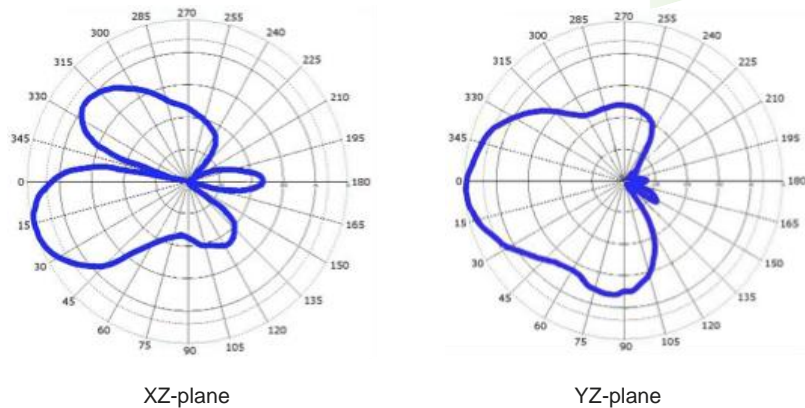
Physical / Environmental Specifications

| | |
|----------------------------------|---|
| Dimensions (LxWxD): | 380 mm x 549 mm x 12 mm 15 in. x 21.6 in. x 0.5 in. |
| Weight: | 2.6 kg / 5.7 lbs. |
| Radome Material: | 3 mm HDPE (High Density Polyethylene) |
| Environmental Rating: | IP54 |
| Operating / Storage Temperature: | 0° to +50°C / -30° to +60°C +32°F to +122°F / -22° to +140°F |
| Mounting: | Affixed directly under check-in bag drop |
| Connector type (RF): | RP-SMA female side fly lead (2.2 m / 7.2 ft.) |
| Connector type (DC): | M8 (2.2 m / 7.2 ft.) |

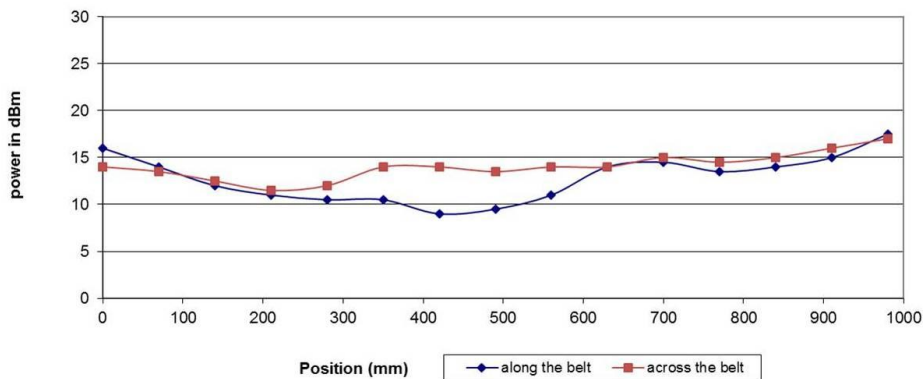
Electrical Specifications

| | |
|--------------------------------------|-------------------------------|
| Frequency Range: | 864 – 869 MHz / 902 – 928 MHz |
| Polarisation: | Circular |
| Far-field Gain: | 4 dBic |
| Typical VSWR across frequency range: | < 1.8:1 |
| Front to back ratio: | >15dB |
| Read zone above belt: | ≤ 1500 mm |
| Read zone across belt: | ≤ 1000 mm |
| Nominal Impedance: | 50 Ω |
| Anti-static protection: | Yes |
| DC Supply Voltage: | 12 ~ 24 VDC @ 10mA max. |
| Maximum Input Power: | 6 W |

E-field elevation & Azimuth Patterns



Power required to activate tag 500mm above the antenna



A6015 Tag activation profile

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

| Product Code | Band | Part No. |
|--------------|------------------|----------|
| A6015 | ETSI 864-869 MHz | 71419 |
| A6015 | FCC 902-928 MHz | 71420 |

Applications

- Airport check in baggage systems
- Any application with stationary tagged assets



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
Lower Hutt 5010
New Zealand
P: +64 4 569 1500

APAC
P: +64 4 974 6566

Times-7 USA
21060 Homestead Road
Suite 226
Cupertino, Ca
95014

AMERICAS
P: +1 408 769 5025

E: info@times-7.com

www.times-7.com