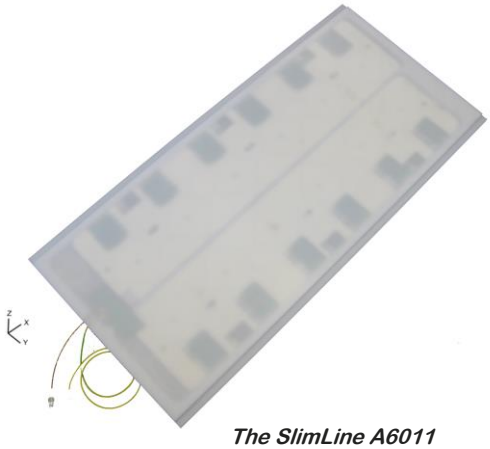
CIRCULAR POLARISED UNDERBELT ANTENNA
SlimLine – A6011



The SlimLine A6011

Ultra-low profile circular polarised antenna

Especially suited for airport conveyor belts

Industry leading accuracy rates

Just 12 mm / 0.5 in. thick

Typical applications:
Airport baggage handling systems
& any conveyor belt-based application

Part of the SlimLine range of airport antennas, the A6011 is a flat panel antenna array especially suited to conveyor belt-based UHF RFID applications. Encased in an ultra-low profile UHMWPE (Ultra-High Molecular Weight Polyethylene) radome, the A6011 is designed for continuous 24x7 operation in environments where downtime is not an option.

At just 12 mm / 0.5 in. thick, and designed for quick and easy installation, the A6011 is the ideal choice for airport baggage handling systems, or any conveyor belt-based application.

Physical / Environmental Specifications

Dimensions (LxWxD):	1200 mm x 600 mm x 12 mm 48 in. x 24 in. x 0.5 in.
Weight:	7 kg / 15.4 lbs.
Radome Material:	3 mm UHMWPE (Ultra-High Molecular Weight Polyethylene)
Environmental Rating:	IP54
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C +32F° to +122°F / -22° to +140°F
Mounting:	Affixed directly onto conveyor frame (under conveyor belt)
Connector type:	SMA female side fly lead (300 mm / 11.8 in.)

Electrical Specifications

Frequency Range:	864 – 869 MHz / 902 – 928 MHz
Polarisation:	Circular
Far-field Gain:	11dBic
Typical VSWR across frequency range:	< 2:1
Front to back ratio:	>22dB
Read zone above belt:	≤ 900 mm
Read zone across belt:	≤ 1200 mm
Nominal Impedance:	50 Ω
Anti-static protection:	Yes (Earthing cable, static dissipative radome)
Maximum Input Power:	6 W

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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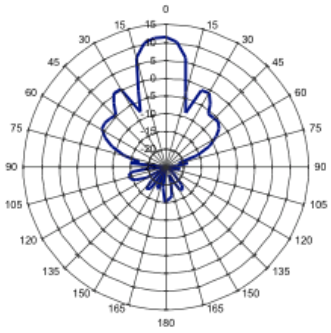
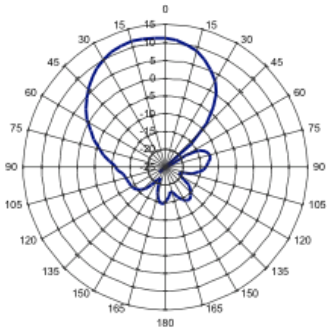
INTELLIGENT TRACKING | SMART TECHNOLOGY

CIRCULAR POLARISED UNDERBELT ANTENNA
SlimLine – A6011

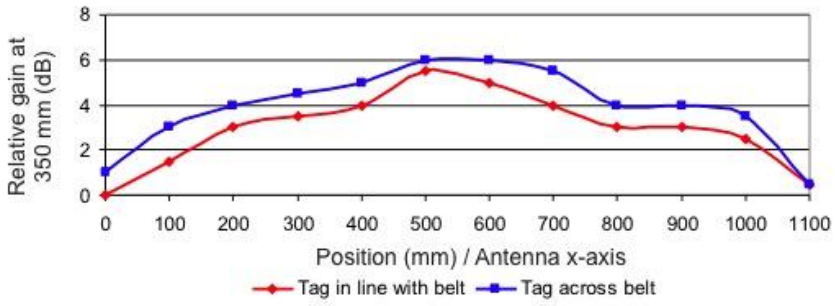
E-field elevation & Azimuth Patterns



XZ-plane



YZ-plane



A6011 Gain flatness

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

Product Code	Band	Part No.
A6011	ETSI 864-869 MHz	70730
A6011	FCC 902-928 MHz	70731

Applications

- Airport baggage handling systems
- Any conveyor belt-based application

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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.

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