

SELF CHECK-IN UNDERBELT ANTENNA

Overview

The SlimLine A6015 is a circular-polarised flat panel antenna array encased in a polyethylene radome. The antenna includes active beam sweeper technology to maximize read performance for applications where RFID tags are stationary. It is designed to be integrated into self check-in airport systems using UHF RFID.

Mechanical/Environmental Specifications

- Radome material: Polyethylene
- IP rating: IP54
- Dimensions: L: 380mm W: 549mm H: 12mm
- RF connector: RP-SMA Male on 2.2m lead
- DC Connector (for sweeper): M8 on 2.2m Lead
- Electrostatic protection: yes
- Operation and storage temperatures: 0°C to + 50°C, - 30°C to + 60°C

Electrical Specifications (sweeper in static position)

- Frequency bands ETSI 864 MHz – 869 MHz and FCC 902 MHz – 928 MHz
- Polarisation: circular polarized
- Return loss: VSWR < 1.2:1
- Front to back: > 15 dB
- Read zone above belt: up to 1500 mm
- Read zone across belt: up to 1000 mm
- Peak farfield gain: 4 dBic
- Impedance 50 Ω
- DC Supply voltage: 12 ~ 24 VDC @ 10mA max

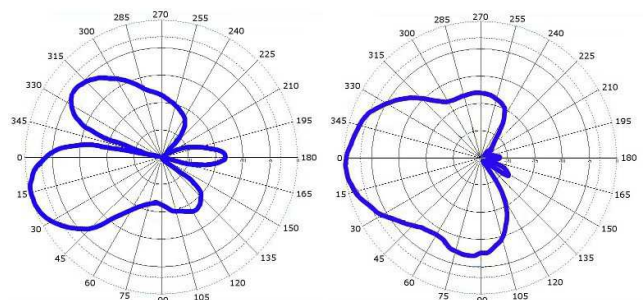
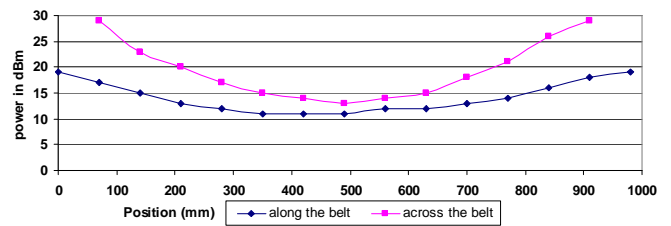
Ordering

Please quote both product code and part number.

| Product Code | Band | Part No. |
|--------------|------|----------|
| A6015 | ETSI | 70994 |
| A6015 | FCC | 70933 |



Power required to activate tag 500mm above the antenna



Vertical

Horizontal

Circular Polarised E-field elevation and azimuth patterns

Contact details:

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Datasheet
 Version 1.3