

### 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 organizations 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.



Up to 9m / 29 ft. read range

Just 14mm / 0.55 in. thick

High performance & rugged design

IP67 rating for permanent outdoor use  
& industrial applications

### *The SlimLine A5010*

The Times-7 industry leading ultra-low profile design is now available in a compact 250 mm / approx. 10 in. square footprint. IP67 rated for permanent outdoor use and built to Times-7's high standard for quality and robustness, the circularly polarized A5010 creates a new benchmark for multi-purpose UHF RFID antennas.

## Specifications:

### **Physical / Environmental Specifications**

|                                  |   |
|----------------------------------|---|
| Dimensions (L x W x D):          | 250 mm x 250 mm x 14 mm<br>9.85 " x 9.85 " x 0.55 "             |
| Weight:                          | 0.75 kg / 1.6 lbs.  |
| Radome Material:                 | UV-Resistant ABS  |
| Environmental Rating:            | IP67 (with IP67 cable)  |
| Operating / Storage Temperature: | -20° to +55°C / -30° to +65°C<br>-4° to +131°F / -22° to +149°F |
| Mounting:                        | Flush or VESA mount   |
| Connector type / position:       | SMA female side connector                                       |

### **Electrical Specifications**

|                                      |                           |
|--------------------------------------|---------------------------|
| Frequency Range:                     | 865-868 MHz / 902-928 MHz |
| Polarization:                        | RH Circular               |
| Far-field Gain:                      | 8.5 dBiC Typical          |
| Far-field 3 dB beamwidth:            | 68° in both planes        |
| Typical VSWR across frequency range: | 1.3                       |
| Front to back ratio:                 | 20 dB                     |
| Axial Ratio:                         | 1 dB typical ; 2 dB Max   |
| Nominal Impedance:                   | 50 Ω                      |
| Anti-static protection:              | DC Grounded               |

RFID Solutions

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### Environmental Test

| Test                   | Standard     | Duration             | Temperature | Notes  |
|------------------------|--------------|----------------------|-------------|--|
| Low Temperature        | IEC 68-2-1   | 72 Hrs               | -55° C      |  |
| Thermal Shock (non op) |              | 1 Hr                 | -45 / 70° C | 3 cycles                                     |
| Humidity               |              | 72 Hrs               | 85° C RH    |  |
| Dust Resistance        | IEC 60529    | 8 Hrs                |             | with vacuum                                  |
| Solar Radiation        |              | 4 Days               |             | 340 nm                                       |
| Impact Resistance      |              |                      |             | 1 lb ball drop at 24" X 6 (top/bottom/sides) |
| Salt Fog               | Mil-Std-810G | 24 Hrs in-24 Hrs out |             | 2 cycles                                     |
| Vibration Vehicle      | Mil-Std-810G | 1 Hr X 3 axes        |             | 10-500 Hx, 1.04 Grms,                        |
| Shock-Half Sine        | Mil-Std-810G |                      |             | 10 G / 11 ms, 5 shocks x 6 directions        |
| Shock-Drop             | Mil-Std-810G |                      |             | 26 drops @ 48"                               |
| HighTemp Storage       |              | 24 Hrs each temp     |             | 60C, 65C, 70C, 80C, 85C, 90C & 95C           |

All reliability and performance measurement have been performed by certified, independent labs. Full report is available on request.

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

| Product Code          | Band             | Part No. |
|-----------------------|------------------|----------|
| A5010 (Flush Mounted) | FCC 902-928 MHz  | 60001    |
| A5010 (Flush Mounted) | ETSI 865-868 MHz | 60002    |
| A5010 (Stud Mounting) | FCC 902-928 MHz  | 60003    |
| A5010 (Stud Mounting) | ETSI 865-868 MHz | 60004    |

### 5010 Mounting Information

The 5010 is designed to support either flush or VESA mount. To accommodate both approaches, versions with either flush or studed backplates are supported.

With part numbers 60001 and 60002, flush mounting can be accommodated by attaching via screws or bolts through the corner holes in the housing or by using double sided industrial tape on the backplate.

The studs on part numbers 60003 and 60004 are on 100mm spacing which will support standard VESA brackets available from a wide range of suppliers.

Built in the USA in an ISO 9001, 14001, 13485 and fully ITAR compliant/registered facility. ROHS compliant.

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### 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.

RFID Solutions

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