

# LINEAR POLARISED GROUND ANTENNA

## SlimLine - A5531

### 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.



*The A5531 Ground Antenna*

Ultra-low profile ground antenna

Just 10 mm / 0.4 in. thick

Typical applications:  
Conference attendee & people tracking,  
retail marketing,  
race & event timing

Part of the Times-7 unique and exclusive range of ground antennas, the A5531 is a high performance ground antenna optimised for applications involving moving products, assets and people. From conference attendee & people tracking, retail presence aware / loyalty marketing, & race timing, the A5531 is ideal for situations where traditional side antennas are unsuitable or non-optimised for the application.

At just 10 mm / 0.4 in. thick, the durable, high performance A5531 is uniquely capable of lying flat on the ground and spans 1.2m / 4ft, and can withstand payloads of over 200 kg (440 lbs.).

## Specifications

### Physical / Environmental Specifications

|                                  |   |
|----------------------------------|---|
| Dimensions (LxWxD):              | 1200 mm x 195 mm x 10 mm<br>48 in. x 7.7 in. x 0.4 in.        |
| Weight:                          | 2.7 kg / 5.9 lbs.   |
| Radome Material:                 | Fire retardant Kydex  |
| Environmental Rating:            | IP53  |
| Operating / Storage Temperature: | 0° to +50°C / -30° to +60°C<br>32° to +122°F / -22° to +140°F |
| Connector type / position:       | SMA female mid-point fly lead (300 mm / 1 ft.)                |
| Cable:                           | 2m SMA to RPTNC (included)                                    |

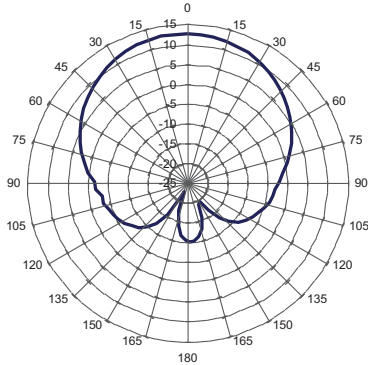
### Electrical Specifications

|                                      |                               |
|--------------------------------------|-------------------------------|
| Frequency Range:                     | 864 – 869 MHz / 902 – 928 MHz |
| Polarisation:                        | Linear                        |
| Far-field Gain:                      | 10dBi                         |
| Far-field 3dB beamwidth:             | 70° in XZ, 25° in YZ          |
| Typical VSWR across frequency range: | < 1.8:1                       |
| Front to back ratio:                 | 20dB                          |
| Nominal Impedance:                   | 50 Ω                          |
| Anti-static protection:              | Yes                           |
| Maximum Input Power:                 | 6 W                           |

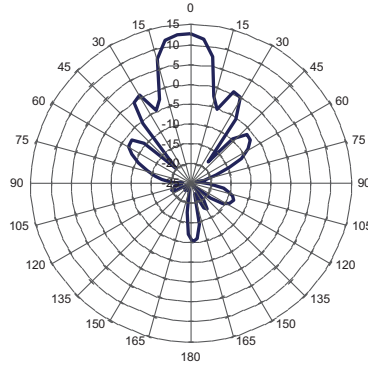
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## SlimLine - A5531

*E-field elevation & Azimuth Patterns*



XZ-plane



YZ-plane

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

| Product Code           | Band             | Part No. |
|------------------------|------------------|----------|
| A5531                  | ETSI 865-868 MHz | 71103    |
| A5531                  | FCC 902-928 MHz  | 71100    |
| Cable 4m, SMA to RPTNC |                  | 71437    |
| Cable 8m, SMA to RPTNC |                  | 71438    |

**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.

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### Applications

- Event & Race Timing
- Conference Attendee / People Tracking
- Industrial Asset Tracking

