

# CIRCULAR POLARISED GROUND ANTENNA

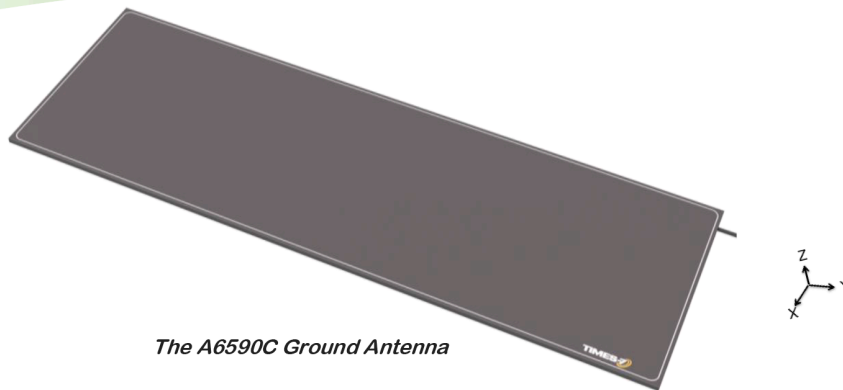
## SlimLine - A6590C

### 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 A6590C Ground Antenna*

Part of Times-7's exclusively unique range of ground antennas the A6590C is optimised for RFID deployments involving moving products, assets and people. From conference attendee & people tracking, retail presence aware / loyalty marketing & race timing, the A6590C is ideal for applications where traditional side antennas are unsuitable or not optimised for the application.

At just 8 mm / 0.3 in. thick, the durable, high performance A6590C is uniquely capable of lying flat on the ground within a doorway sized footprint, and can withstand payloads of over 200 kg (440 lbs.).

Ultra-low profile circularly polarised UHF ground antenna

Just 8 mm / 0.3 in. thick

Powerful 9 dBic gain

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

## Specifications

### Physical / Environmental Specifications

Dimensions (LxWxD):	915 mm x 305 mm x 8 mm 3 ft. x 1 ft. x 0.3 in.
Weight:	2 kg / 4.4 lbs.
Radome Material:	Fire retardant Kydex
Environmental Rating:	IP65
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.) or 6ft / 2m cable to RP-TNC Plug

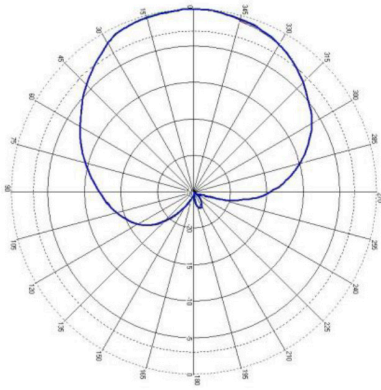
### Electrical Specifications

Frequency Range:	865 – 867 MHz / 902 – 928 MHz
Polarisation:	Circular
Far-field Gain:	9dBic
Far-field 3dB beamwidth:	80° in XZ, 20° in YZ
Typical VSWR across frequency range:	< 1.4:1
Front to back ratio:	24dB
Axial Ratio:	ETSI: 3dB (typ) at boresight FCC: 2dB (typ) at boresight
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

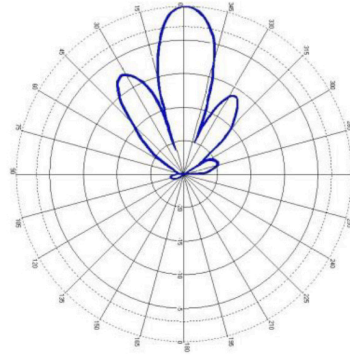
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*E-field elevation & Azimuth Patterns*



XZ-plane



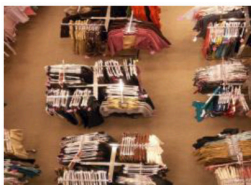
YZ-plane

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

Product Code	Band	Part No.
A6590C	ETSI 865-867 MHz	71324
A6590C	FCC 902-928 MHz	71325
A6590C 6ft / 2m cable to RP-TNC Plug	ETSI 865-867 MHz	71799
A6590C 6ft / 2m cable to RP-TNC Plug	FCC 902-928 MHz	71749

## Applications

- Conference Attendee / People Tracking
- Retail Presence Aware / Loyalty Based Marketing
- Race & Event Timing



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