

# CIRCULAR POLARIZED 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 organizations to transform processes & reduce costs.

Our SlimLine range of antennas is 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.

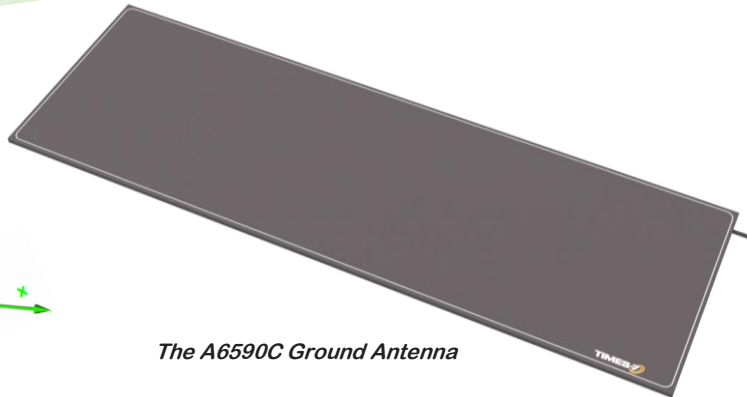
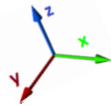
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*The A6590C Ground Antenna*

Part of Times-7's exclusively unique range of ground antennas the A6590C is optimized 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 optimized for the application.

Ultra-low profile circularly polarised UHF ground antenna  
Just 8 mm / 0.3 in. thick  
Powerful 9 dBiC gain  
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.).

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

## Specifications

### Physical / Environmental Specifications

Dimensions (L x W x D):	915 mm x 305 mm x 8 mm 3' x 1' x 0.3"
Weight:	2 kg / 4.4 lbs.
Radome Material:	Fire retardant ABS
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

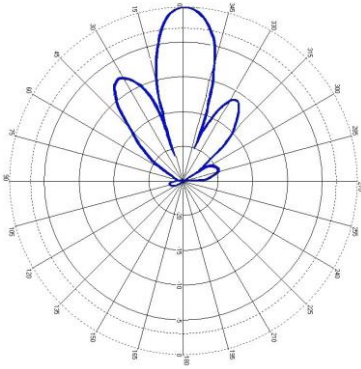
### Electrical Specifications

Frequency Range:	865-868 MHz / 902-928 MHz
Polarization:	Circular
Far-field Gain:	9 dBiC typical
Far-field 3 dB beamwidth:	20° in XZ, 80° in YZ
VSWR	1.4 typical
Front to back ratio:	24 dB
Axial Ratio:	2 dB typical
Nominal impedance:	50 Ω
Anti-static protection:	DC grounded
Antenna detection	10 K Ω resistance
Maximum Input Power:	3 W

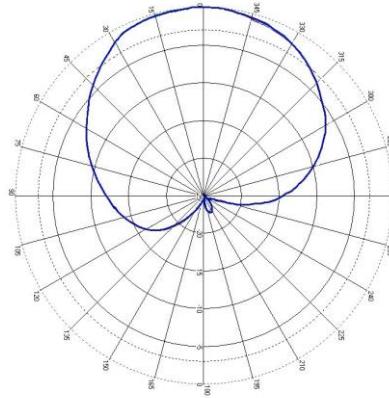
# CIRCULAR POLARIZED GROUND ANTENNA

## SlimLine - A6590C

### 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 865-868 MHz	71324
A6590C	FCC 902-928 MHz	71325
Cable Accessories	Cable Type	Part No.
Cable 2 m, SMA to RPTNC	LMR 195 / 240 / 400	71436 / 71782 / 72042
Cable 4 m, SMA to RPTNC	LMR 240 / 400	71784 / 72043
Cable 6 m, SMA to RPTNC	LMR 240 / 400	71904 / 72044
Cable 8 m, SMA to RPTNC	LMR 240 / 400	71788 / 72045

## Applications

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



### 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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