

# CIRCULAR POLARIZED GROUND MAT ANTENNA

## SlimLine - A5530

### ABOUT TIMES-7

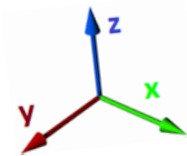
Pushing the boundaries of RFID technology worldwide Times-7 are leaders in RFID antenna design and manufacture. Our patented award winning UHF antennas meet the needs of virtually any industry application; providing customers with fast accurate tracking of products, assets & people; empowering organizations 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.



*The A5530 Ground Mat*



Ultra-low profile ground mat antenna

Just 12 mm / 0.5 in. thick

IP66, robust design & superb aesthetics

Ideal for event / race timing applications

Part of Times-7's exclusively unique range of ground antennas the A5530 is a high performance ground mat antenna optimized for applications involving moving products, assets and people.

Offering unmatched performance in event and race timing, the A5530 is ideal for RFID deployments where an ultra-low profile, robust and weather resistant antenna is required.

At just 12 mm / 0.5 " thick, the durable A5530 has superb aesthetics, IP66 rating, and load bearing capabilities.

With increased versatility, flexibility and performance over traditional side antennas, the unique A5530 ground mat antenna is in a class of its own.

The mat antenna includes an SMB-SMA adapter for better protection and easy cable replacement.

The A5530 is available in both, circular and linear polarization.

RFID Solutions

[www.rfidsolutionsinc.com](http://www.rfidsolutionsinc.com)

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(561) 271-1727

### Specifications

#### Physical / Environmental Specifications

Specifications	A5530C	A5530L	
		A5530V	A5530H
Dimensions (L x W x D):	1220 mm x 600 mm x 12 mm 4' x 2' x 0.5'	1220 mm x 600 mm x 12 mm 4' x 2' x 0.5'	1220 mm x 600 mm x 12 mm 4' x 2' x 0.5'
Weight:	8.4 kg / 18.5 lbs.	8.4 kg / 18.5 lbs.	8.4 kg / 18.5 lbs.
Radome Material:	Molded polyurethane housing	Molded polyurethane housing	Molded polyurethane housing
Environmental Rating:	IP66	IP66	IP66
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.)	SMA female side fly lead (300 mm / 1 ft.)	SMA female side fly lead (300 mm / 1 ft.)
Adapter:	SMA-SMB adapter	SMA-SMB adapter	SMA-SMB adapter

#### Electrical Specifications

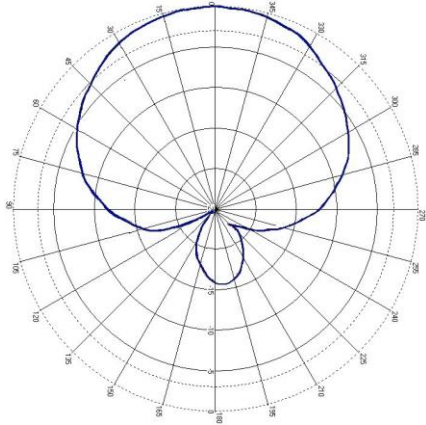
Specifications	A5530C	A5530L	
		A5530V	A5530H
Frequency Range:	864-868 MHz / 902-928 MHz	864-868 MHz / 902-928 MHz	864-868 MHz / 902-928 MHz
Polarization:	Circular	Vertical Linear	Horizontal Linear
Far-field Gain:	9.5 dBiC	10 dBi	10 dBi
Far-field 3 dB beamwidth:	85° in YZ, 13° in XZ	70° in YZ, 25° in XZ	85° in XZ, 13° in YZ
Typical VSWR across frequency range:	< 2:1	< 1.8:1	< 2.5:1
Front to back ratio:	18 dB	20 dB	18 dB
Nominal Impedance:	50 Ω	50 Ω	50 Ω
Anti-static protection:	Yes	Yes	Yes
Maximum Input Power:	6 W	6 W	6 W

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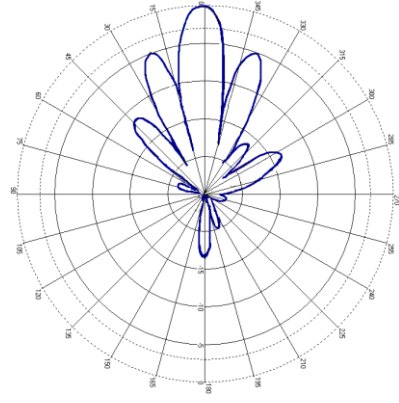
## SlimLine - A5530

### Electric Field Radiation Pattern

**A5530C**

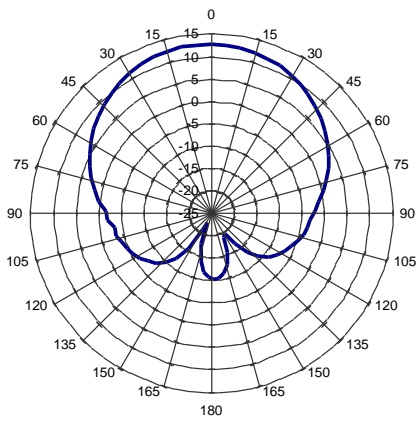


YZ-plane

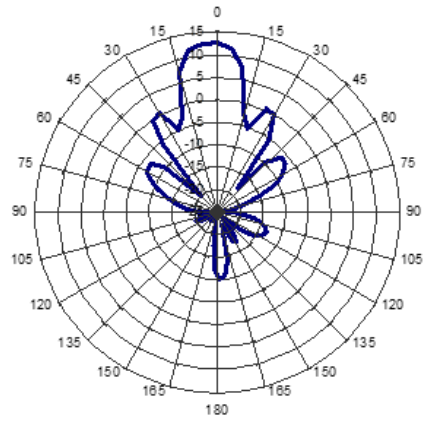


XZ-plane

**A5530V**

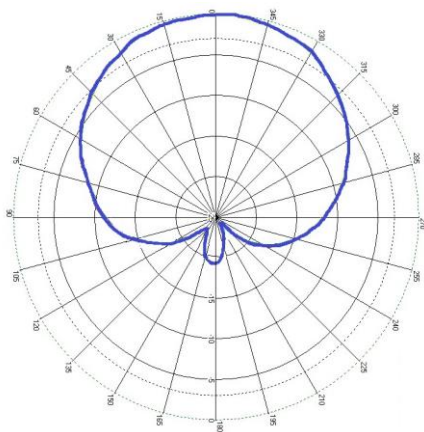


YZ-plane

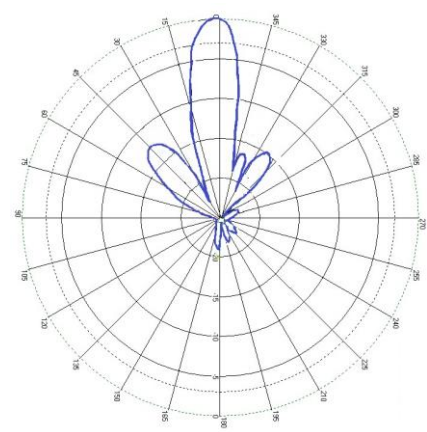


XZ-plane

**A5530H**



YZ-plane



XZ-plane

# CIRCULAR POLARIZED GROUND MAT ANTENNA SlimLine - A5530

## Applications



Event & Race Timing



Conference Attendee /  
People Tracking



Industrial Asset Tracking

## 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.

## Ordering Information

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

Product Code	Band	Part No.
A5530C	ETSI 865-868 MHz	71752
	FCC 902-928 MHz	71644
A5530V	ETSI 865-868 MHz	70887
	FCC 902-928 MHz	70890
A5530H	ETSI 865-868 MHz	70270
	FCC 902-928 MHz	70276

Cable Accessories		Part No.
Label Set for cable tray and mat ID		70745
Cable Accessories	Cable Type	Part No.
Cable 2 m, SMA to RPTNC	195 / 240	71436 / 71782
Cable 4 m, SMA to RPTNC	195 / 240	71437 / 71784
Cable 8 m, SMA to RPTNC	195 / 240	71438 / 71788

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