

iDTRONICs unique A5530 is a high performance ground mat antenna optimised 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 thick, the durable A5530 has superb aesthetics, IP 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.

Applications

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

Features

- Dimensions: 1220mm x 600mm x 12mm
- Weight: 8.4 kg
- Polarisation: Linear
- Fair-field Gain: 10dBic
- Fare-field 3dB beamwidth: 70° in XZ horizontal, 25° in YZ vertical
- Front to back ratio: 20dB
- Ultra- low profile ground mat antenna
- Just 12mm
- Robust design and superb aesthetics
- Ideal for event/ race timing applications



Order Codes

R-IN-UHF-A5530

Technical Data

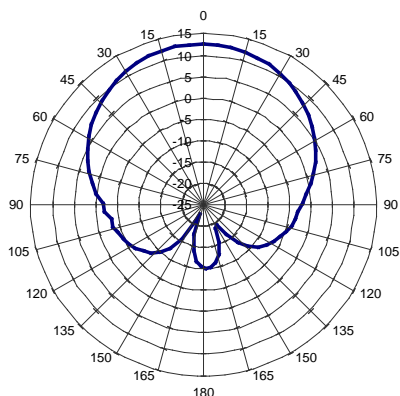
Electrical Specifications

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

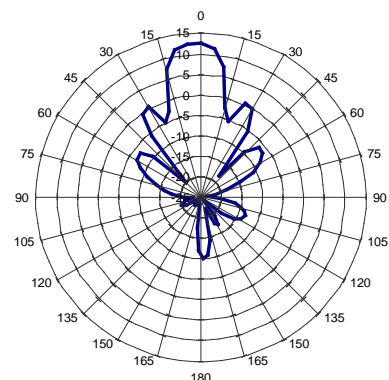
Environmental Specifications

Dimensions (LxWxD):	1220mm x 600mm x 12mm
Weight:	8.4 kg
Radome Material:	moulded polyurethane housing
Environmental Rating:	IP66
Operating Temp.:	0° to +50°C
Connector type:	SMA female side fly lead (300 mm)
Cable:	2m SMA to RPTNC (included)

E- field elevation & Azimuth Patterns



XZ- plane



YZ- plane