

HORIZONTAL LINEAR POLARISED GROUND MAT ANTENNA SlimLine

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 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.

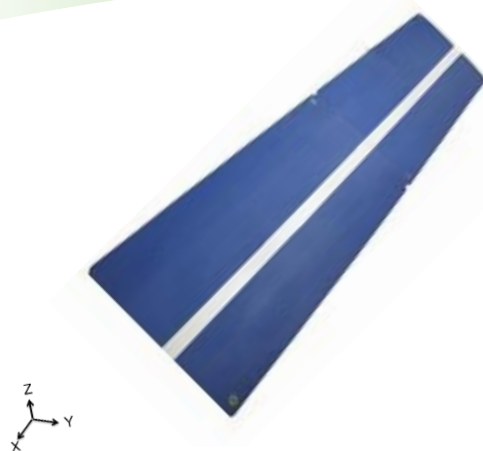
Times-7
29 Railway Avenue
Lower Hutt 5010
New Zealand
P: +64 4 569 1500

APAC
P: +64 4 974 6566

AMERICAS
P: +1 408 769 5025

E: info@times-7.com

www.times-7.com



The Horizontal Linear Mat

Ultra-low profile ground mat antenna

Just 12 mm / 0.5 in. thick

Robust design & superb aesthetics

Ideal for event / race timing applications

Part of Times-7's exclusively unique range of ground antennas the Horizontal Linear 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 Horizontal Linear is ideal for RFID deployments where an ultra-low profile, robust and weather resistant antenna is required.

At just 12 mm / 0.5 in. thick, the durable Horizontal Linear has superb aesthetics, IP rating, and load bearing capabilities. With increased versatility, flexibility and performance over traditional side antennas, the unique Horizontal Linear ground mat antenna is in a class of its own.

Specifications

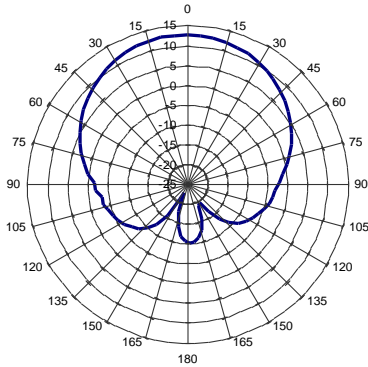
Physical / Environmental Specifications

Dimensions (LxWxD):	1220 mm x 600 mm x 12 mm 4 ft. x 2 ft. x 0.5 in.
Weight:	8.4 kg / 18.5 lbs. (per mat antenna)
Radome Material:	Molded polyurethane housing
Environmental Rating:	IP66
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F
Connector type / position:	RPTNC (refer to cable length detail below) or 300 mm/1 ft fly lead with SMA connector

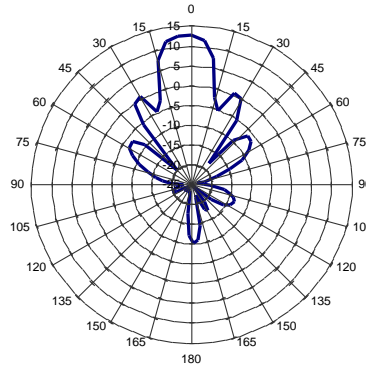
Electrical Specifications

Frequency Range:	865 – 867 MHz / 902 – 928 MHz
Polarization:	Horizontal Linear
Far-field Gain:	10dBi
Far-field 3dB beamwidth:	80° in XZ, 25° in YZ
Typical VSWR across frequency range:	< 2.5
Front to back ratio:	20dB
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

E-field elevation & Azimuth Patterns



XZ-plane



YZ-plane

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

Product Code	Cable Length	Part No.
H/L MAT-1	2.62 m / 8 ft 7 in.	71821 ETSI / 71791 FCC
H/L MAT-2	3.84 m / 12 ft 7 in.	71822 ETSI / 71792 FCC
H/L MAT-3	5.06 m / 16 ft 7 in.	71823 ETSI / 71793 FCC
H/L MAT-4	6.28 m / 20 ft 7 in.	71824 ETSI / 71794 FCC
H/L MAT-5	7.50 m / 24 ft 7 in.	71825 ETSI / 71795 FCC
H/L MAT-6	8.72m / 28 ft 7 in.	71826 ETSI / 71796 FCC

This product is also available with a standard 300mm/1ft Fly lead with an SMA connector

Applications

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



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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.

Times-7 HQ

29 Railway Avenue
Lower Hutt 5010
New Zealand
P: +64 4 569 1500

APAC

P: +64 4 974 6566

Times-7 USA

21060 Homestead Road
Suite 226
Cupertino, CA
95014

AMERICAS

P: +1 408 769 5025

E: info@times-7.com

www.times-7.com