

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.

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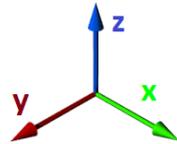
www.times-7.com

Up to 9m / 29 ft. read range

Just 14mm / 0.55 in. thick

High performance & rugged design

IP67 rating for permanent outdoor use
& industrial applications



The SlimLine A5010

The Times-7 industry leading ultra-low profile design is now available in a compact 250 mm / approx.10 in. square footprint. IP67 rated for permanent outdoor use and built to Times-7's high standard for quality and robustness, the circularly polarized A5010 creates a new benchmark for multi-purpose UHF RFID antennas.

Specifications:

Physical / Environmental Specifications

Dimensions (L x W x D):	250 mm x 250 mm x 14 mm 9.85 " x 9.85 " x 0.55 "
Weight:	0.75 kg / 1.6 lbs.
Radome Material:	UV-Resistant ABS
Environmental Rating:	IP67
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Mounting:	Flush or VESA mount (mounting info on page 4)
Connector type / position:	SMA female side connector

Electrical Specifications

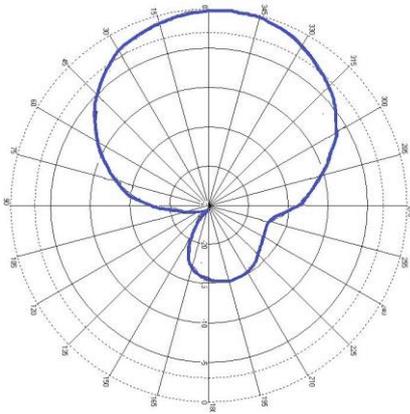
Frequency Range:	865-868 MHz / 902-928 MHz
Polarization:	RHCP (Right Hand Circular Polarized)
Far-field Gain:	8.5 dBiC typical
Far-field 3 dB beamwidth:	68° in both planes
VSWR:	1.3 typical
Front to back ratio:	-20 dB
Axial ratio:	1 dB typical
Nominal impedance:	50 Ω
Anti-static protection:	DC grounded
Antenna detection	10 K Ω resistance
Maximum Input Power:	3 W

Order Information

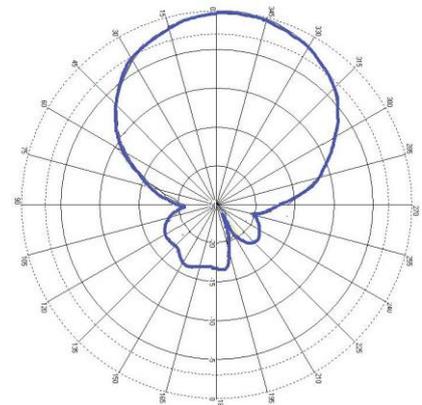
(please quote both product code & part no.)

Product Code	Band	Part No.
A5010 (Flush Mounted)	FCC 902-928 MHz	60001
A5010 (Flush Mounted)	ETSI 865-868 MHz	60002
A5010 (Stud Mounting)	FCC 902-928 MHz	60003
A5010 (Stud Mounting)	ETSI 865-868 MHz	60004
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

E-field Radiation Pattern

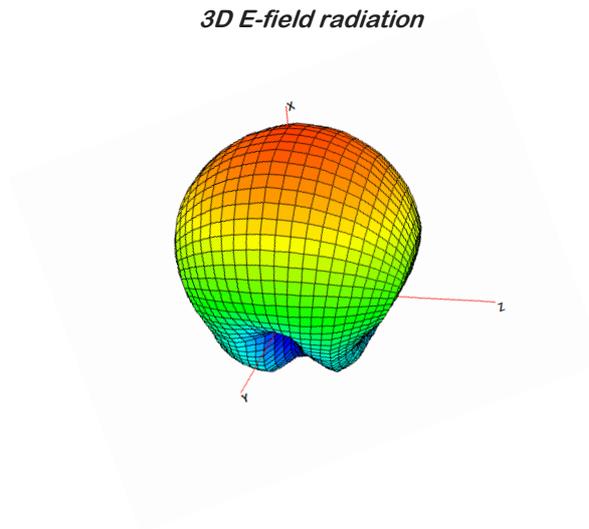


XZ-plane



YZ-plane

3D E-field radiation

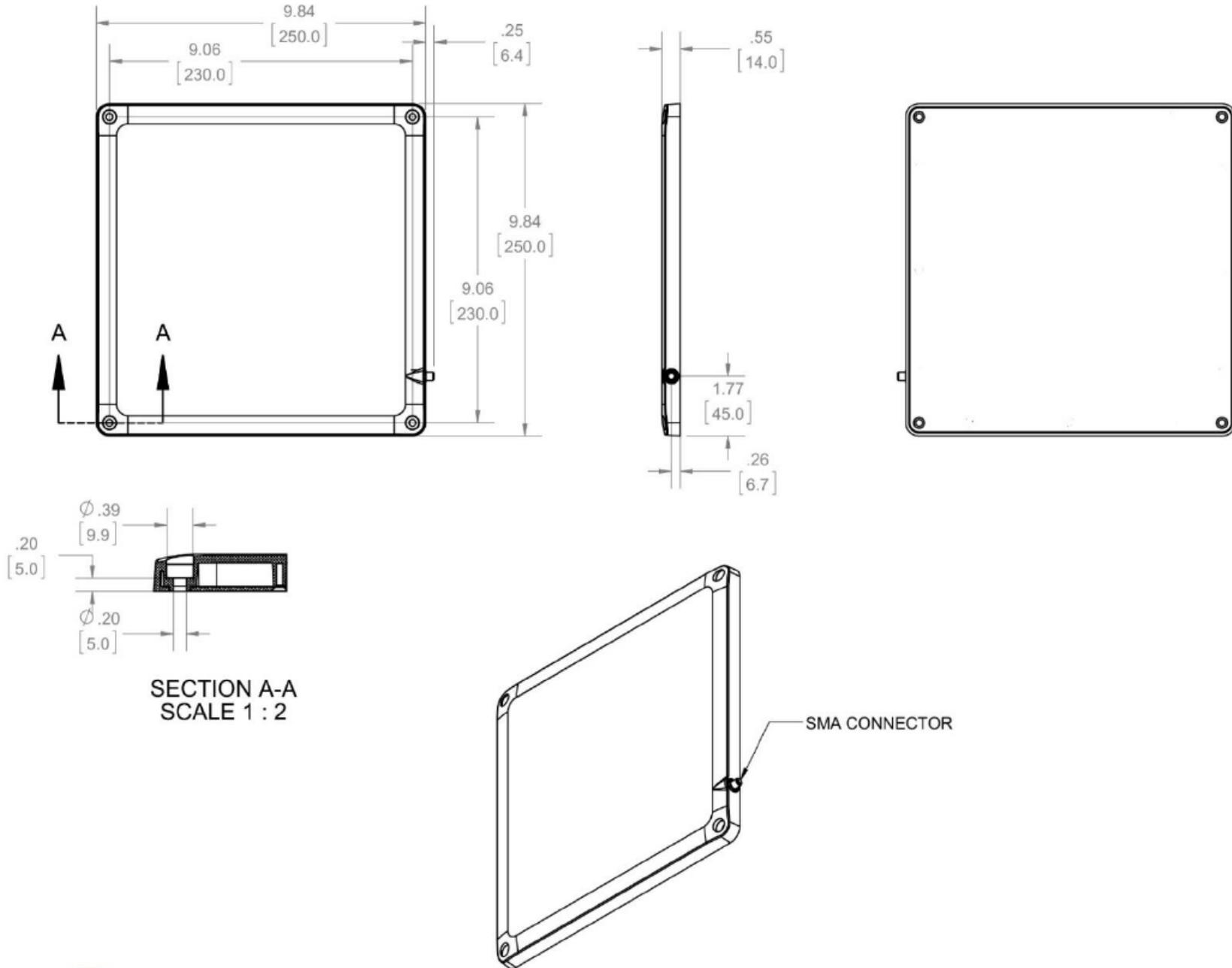


Environmental Test

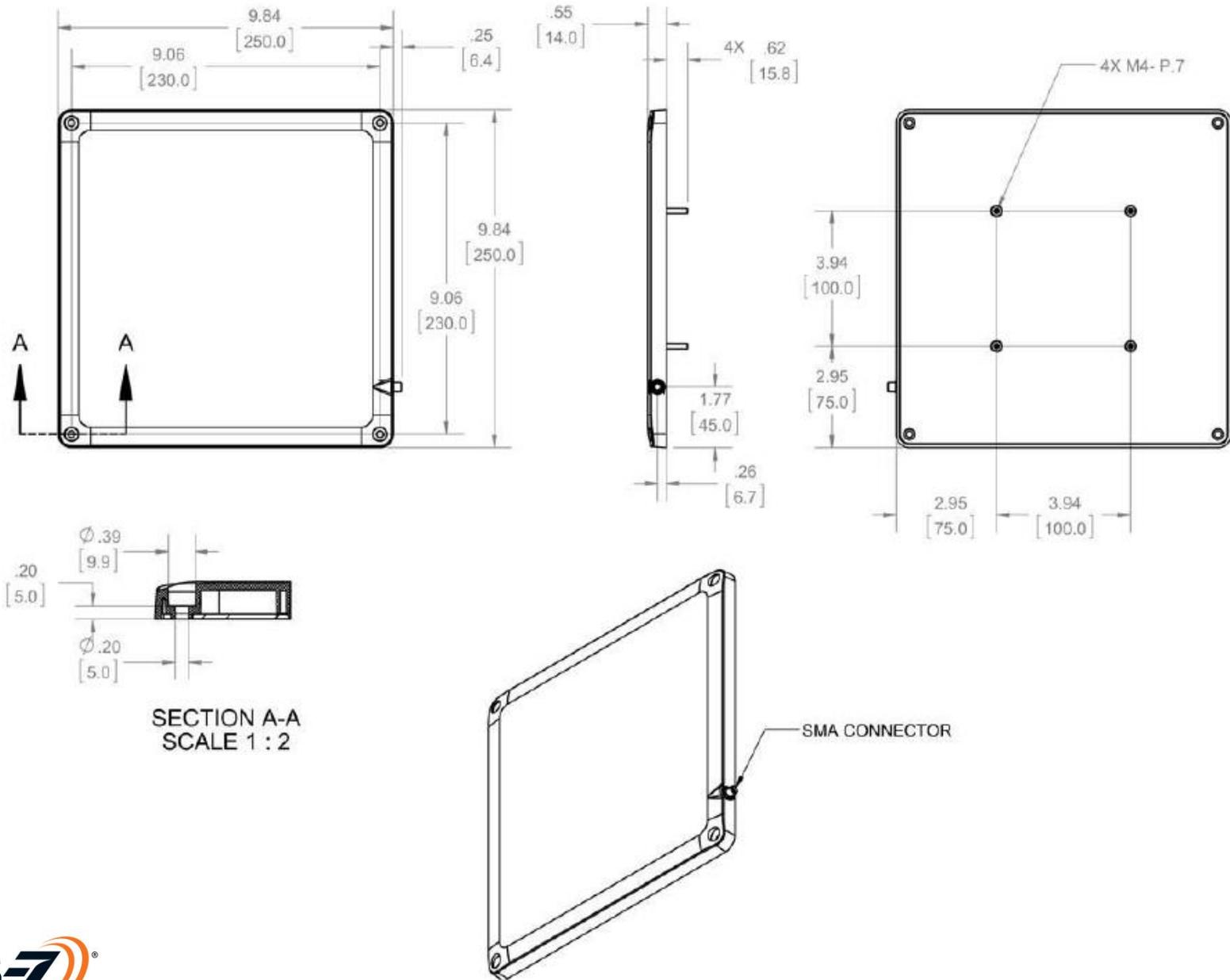
Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 Hrs	-55° C	
Thermal Shock (non op)		1 Hr	-45 / 70° C	3 cycles
Humidity		72 Hrs	85° C RH	
Dust Resistance	IEC 60529	8 Hrs		with vacuum
Solar Radiation		4 Days		340 nm
Impact Resistance				1 lb ball drop at 24" X 6 (top/bottom/sides)
Salt Fog	Mil-Std-810G	24 Hrs in-24 Hrs out		2 cycles
Vibration Vehicle	Mil-Std-810G	1 Hr X 3 axes		10-500 Hx, 1.04 Grms,
Shock-Half Sine	Mil-Std-810G			10 G / 11 ms, 5 shocks x 6 directions
Shock-Drop	Mil-Std-810G			26 drops @ 48"
HighTemp Storage		24 Hrs each temp		60C, 65C, 70C, 80C, 85C, 90C & 95C

All reliability and performance measurement have been performed by certified, independent labs. Full report is available on request.

A5010 Flush



A5010 Stud



Applications

- Warehousing
- Retail
- Medical & Pharma applications
- All weather applications



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Built in the USA in an ISO 9001, 14001, 13485 and fully ITAR compliant/registered facility. ROHS compliant.

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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