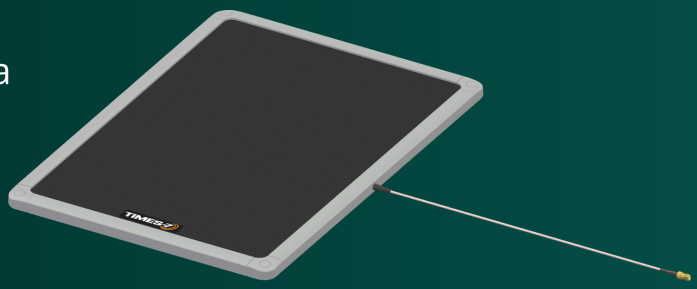
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Far-Field Panel Antenna
Times-7 - A6032



- 7 dBiC typ. gain, 48° x 75° beamwidth
- Right-hand circular, AR below 2 dB
- Read range up to 6 m
- SlimLine profile, 390 x 274 x 12.2 mm
- IP65, flush wall or VESA plate mount

UHF RFID | RAIN - Far-Field Panel Antenna
SlimLine 7 dBiC typ. circular antenna, 12.2 mm deep, up to 6 m

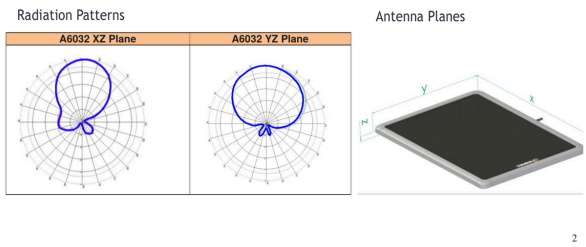
The Times-7 A6032 is a circularly polarised far-field RAIN RFID antenna from the Times-7 SlimLine range of multi-purpose antennas. A right-hand circularly polarised element delivers 7 dBiC typical gain with a 3 dB beamwidth of 48° in the XZ plane and 75° in the YZ plane, giving a read range of up to 6 m. The housing measures 390 x 274 mm, is only 12.2 mm deep and weighs 1 kg net.

Typical VSWR is 1.4, the axial ratio below 2 dB at boresight and the front-to-back ratio 22 dB. Versions cover the European ETSI band or 902-928 MHz (FCC) and work with any UHF RFID reader with a 50 Ω antenna port at up to 3 W input power. The element is DC grounded for ESD protection, and a 10 kΩ detection resistance lets readers identify a connected antenna.

The fire-retardant ABS radome is rated IP65 and tested to IEC 68-2 for vibration, humidity, cold, heat and temperature shock (-40 to +70 °C). Operating range is -20 to +55 °C. The SMA female connector is on a 324 mm side fly lead. Integrated mounting holes allow flush wall mounting, or the A6032 lies flat as a slim counter antenna; an optional mounting plate adds VESA bracket support.

Common Applications

- Retail Inventory
- Customer-Facing Counters
- Industrial Asset Tracking
- Flush Wall Installations
- Space-Constrained Areas
- Stockrooms And Back Areas



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UHF RFID | RAIN - Far-Field Panel Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–867 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Right-hand circular
Far-Field Gain	7 dBiC typical
3 dB Beamwidth	48° (XZ), 75° (YZ)
VSWR	1.4 typical
Axial Ratio	Below 2 dB at boresight
Front-to-Back Ratio	22 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A6032, ETSI	70802
A6032, FCC	70808
Mounting Plate (A6032)	71632

Mechanical

Dimensions	390 x 274 x 12.2 mm
Weight	1 kg net
Radome	Fire-retardant ABS
Connector	SMA female, 324 mm side fly lead
Mounting	Integrated holes; VESA via mounting plate
Read Range	Up to 6 m

Environmental

Protection Class	IP65
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +65 °C
Vibration	IEC 68-2-6, 10–150 Hz, 0.5 g
Humidity	IEC 68-2-30, min. 90% RH
Cold / Heat Test	IEC 68-2-1 / 68-2-2, -40 / +70 °C, 24 h
Temperature Shock	10 cycles -40 / +70 °C
Compliance	RoHS, CE