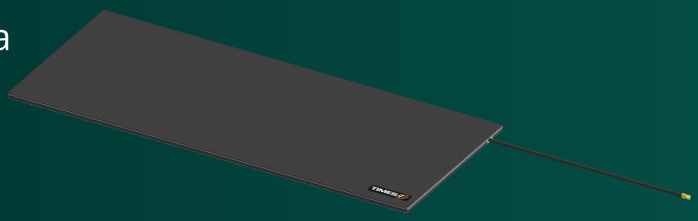
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Far-Field Panel Antenna
Times-7 - A7060



- 9 dBi typ. gain, 30° x 65° beamwidth
- Linear polarisation, 24 dB front-to-back
- Ultra-low profile, 600 x 250 x 8 mm
- Fits under shelves and in cabinets
- Custom lengths available

UHF RFID | RAIN - Far-Field Panel Antenna
SlimLine 9 dBi typ. linear panel, 600 x 250 mm, 8 mm thick

The Times-7 A7060 is an ultra-low-profile, linearly polarised flat panel RAIN RFID antenna from the Times-7 SlimLine range. It delivers 9 dBi typical far-field gain with a 3 dB beamwidth of 30° in the XZ plane and 65° in the YZ plane. The elongated panel measures 600 x 250 mm, is only 8 mm thick and weighs 1.2 kg, so it covers a full shelf board or cabinet compartment.

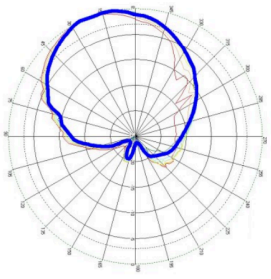
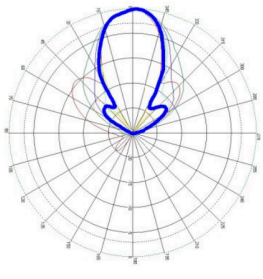
Typical VSWR is 1.6 and the front-to-back ratio 24 dB. Versions cover 865–868 MHz (ETSI) or 902-928 MHz (FCC) and work with any UHF RFID reader with a 50 Ω antenna port at up to 3 W input power. The element is DC grounded for ESD protection, and a 10 kΩ detection resistance lets readers identify a connected antenna.

The fire-retardant ABS radome is rated IP54, with operation from -20 to +55 °C and storage from -30 to +65 °C. The SMA female connector is on a 300 mm side fly lead. The A7060 is designed for real-time asset and product identification, for example smart shelves that register when items are removed or moved; custom lengths are available on request. Matching SMA to RP-TNC cables in 2, 4, 6 and 8 m are listed under Cable Accessories.

Common Applications

- Jewellery Stores
- Retail Smart Shelves
- Supermarket Shelving
- Workshop Tool Tracking
- Industrial Tool Control
- Cabinet Monitoring

Radiation Pattern

A7060 X-Z plane	A7060 Y-Z plane
	

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UHF RFID | RAIN - Far-Field Panel Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Linear
Far-Field Gain	9 dBi typical
3 dB Beamwidth	30° (XZ), 65° (YZ)
VSWR	1.6 typical
Front-to-Back Ratio	24 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A7060, ETSI	71303
A7060, FCC	71304

Mechanical

Dimensions	600 x 250 x 8 mm
Weight	1.2 kg
Radome	Fire-retardant ABS
Connector	SMA female, 300 mm side fly lead
Custom Lengths	Available

Environmental

Protection Class	IP54
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +65 °C
Compliance	RoHS, CE

Cable Accessories (SMA to RP-TNC)

2 m, T7 195 / 240 / 400	71436 / 71782 / 72042
4 m, T7 240 / 400	71784 / 72043
6 m, T7 240 / 400	71904 / 72044
8 m, T7 240 / 400	71788 / 72045