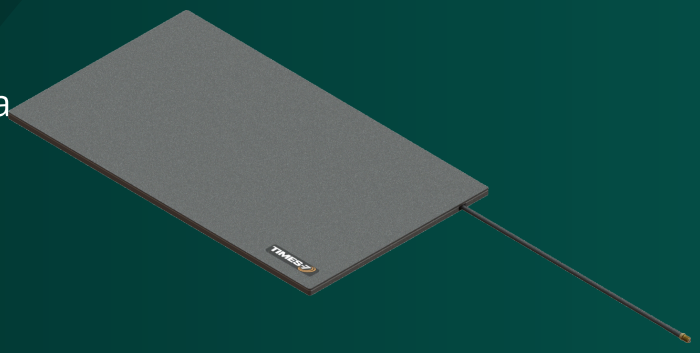
IDCRAFT

RFID & NFC EXPERTS

UHF RFID | RAIN - Far-Field Panel Antenna
Times-7 - A7040



- 7.5 dBi typ. gain, 45° x 80° beamwidth
- Linear polarisation, 22 dB front-to-back
- Ultra-low profile, 400 x 250 x 7.9 mm
- Fits under shelves and in cabinets
- Custom lengths available

UHF RFID | RAIN - Far-Field Panel Antenna
SlimLine 7.5 dBi typ. linear flat panel, 7.9 mm thick, IP54

The Times-7 A7040 is an ultra-low-profile, linearly polarised flat panel RAIN RFID antenna from the Times-7 SlimLine range. It delivers 7.5 dBi typical far-field gain with a 3 dB beamwidth of 45° in the XZ plane and 80° in the YZ plane. The panel measures 400 x 250 mm, is only 7.9 mm thick and weighs 0.88 kg net, so it fits under shelf boards, in drawers and inside cabinets.

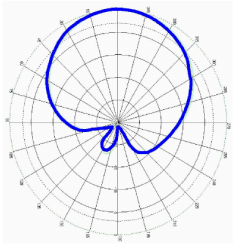
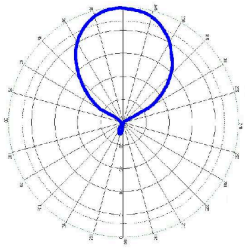
Typical VSWR is 1.6 and the front-to-back ratio 22 dB. Versions cover 864–868 MHz (ETSI) or 902-928 MHz (FCC) and work with any UHF RFID reader with a 50 Ω antenna port at up to 3 W input power. The element is DC grounded for ESD protection, and a 10 kΩ detection resistance lets readers identify a connected 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 A7040 is designed for real-time asset and product identification in shelving and cabinet systems; 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 Inventory
- Retail Shelves
- Workshop Tool Tracking
- Industrial Tool Control
- Smart Shelving
- Cabinets And Drawers

Radiation Pattern

A7040 Y-Z Plane	A7040 X-Z Plane
	

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RFID & NFC EXPERTS

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UHF RFID | RAIN - Far-Field Panel Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	864–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Linear
Far-Field Gain	7.5 dBi typical
3 dB Beamwidth	45° (XZ), 80° (YZ)
VSWR	1.6 typical
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

A7040, ETSI	71201
A7040, FCC	71204

Mechanical

Dimensions	400 x 250 x 7.9 mm
Weight	0.88 kg net
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, LMR 195 / 240 / 400	71436 / 71782 / 72042
4 m, LMR 240 / 400	71784 / 72043
6 m, LMR 240 / 400	71904 / 72044
8 m, LMR 240 / 400	71788 / 72045