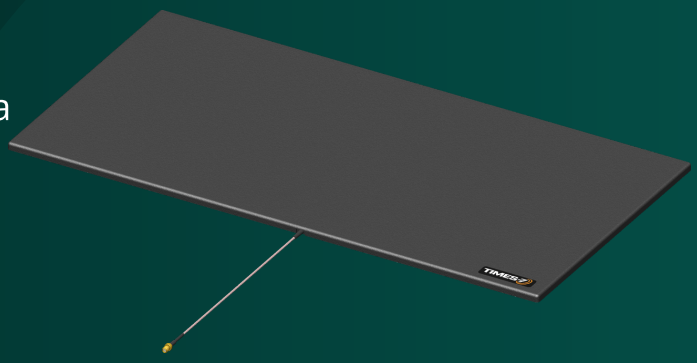
IDCRAFT

RFID & NFC EXPERTS

UHF RFID | RAIN - Far-Field Panel Antenna

Times-7 - A5060



- 10.5 dBiC typ. gain, read range up to 10 m
- Narrow 25° x 60° beam, F/B 25 dB
- RHCP standard, LHCP on request
- Formed or flat radome, under 10 mm deep
- Flush holes or VESA via mounting plate

UHF RFID | RAIN - Far-Field Panel Antenna
10.5 dBiC typ. high-gain array, up to 10 m, under 10 mm

The Times-7 A5060 is a high-gain, circularly polarised RAIN RFID panel antenna from the SlimLine range. A multi-element array delivers 10.5 dBiC typical gain and a read range of up to 10 m with a narrow 25° (XZ) by 60° (YZ) 3 dB beamwidth. The formed-radome version measures 608 x 308 x 9.7 mm, the flat-radome version 600 x 300 x 8.6 mm.

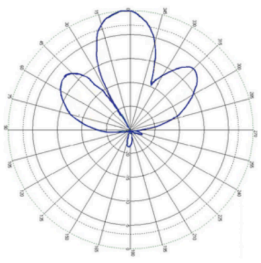
The array minimises signal distortion and spreads energy evenly in the near and far field, so dense, highly reflective tag populations are read reliably. Typical VSWR is 1.4, axial ratio 2 dB and front-to-back ratio 25 dB. Right-hand circular polarisation is standard, left-hand is available for selected SKUs. The antenna covers 865–868 MHz (ETSI) or 902-928 MHz (FCC) and works with any UHF RFID reader with a 50 Ω port; detection resistance is 10 kΩ.

The flame-retardant ABS radome is rated IP54; the injection-moulded formed radome, in black or white, better protects the corners from impact and has moulded cable cut-outs. An RG316 fly lead of 270 mm ends in an SMA jack. Six pre-drilled rear holes allow flush mounting behind ceiling tiles, in cabinets or over benches; the A5060 Mounting Plate with screw kit adds 100 x 100 mm VESA mounting.

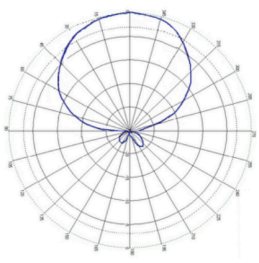
Common Applications

- Industrial Portals
- Commercial Laundries
- Laundry Tunnels
- Conveyor Tracking
- Packing And Folding Benches
- Ceiling And Cabinet Mounts

RADIATING PATTERNS



A5060 XZ Plane



A5060 YZ Plane

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RFID & NFC EXPERTS

Times-7 - A5060

UHF RFID | RAIN - Far-Field Panel Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Right-hand circular LHCP on request (selected SKUs)
Far-Field Gain	10.5 dBiC typical
3 dB Beamwidth	25° (XZ), 60° (YZ)
VSWR	1.4 typical
Axial Ratio	2 dB typical
Front-to-Back Ratio	25 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

Formed, ETSI, black / white	75236 / 75237
Formed, FCC, black / white	75238 / 75239
Flat, ETSI	71876
Flat, FCC	71875
Mounting Plate (A5060)	72095

Mechanical

Dimensions (Formed)	608 x 308 x 9.7 mm
Dimensions (Flat)	600 x 300 x 8.6 mm
Weight (Formed)	1.75 kg net
Weight (Flat)	1.45 kg net
Boxed Dimensions	623 x 335 x 30 mm
Radome	Flame-retardant ABS
Connector	SMA jack, fly lead, side exit
Cable	RG316, 270 mm
Mounting	6 flush holes or VESA via plate

Environmental

Protection Class	IP54
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +60 °C
Compliance	RoHS, REACH