

Product datasheet

11 dB, Circularly Polarised Directional Antenna

Product code: RFT-SCP-11-8690
Version: 04-2008

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Application: UHF RFID mobile and fixed portal applications for rugged environments

- Array antenna for long range and large area coverage
- Allows better detection in the presence of multipath
- Captures signal returns from tags irrespective of tag orientation
- Maintains excellent RF performance across frequency band
- Rugged, weather proof construction
- Suitable for in-door or outdoor use
- Covers the ISM band (Europe)

Technical specification
Electrical

Frequency Band:	860 - 900 MHz
Gain:	11 dBic
Polarisation:	Circular
3 dB Beamwidth Horizontal Plane:	65°
3 dB Beamwidth Vertical Plane:	37°
Nominal Impedance:	50 Ohm
VSWR:	1.5:1.0 max.
Maximum Input Power:	10 W
Connector Type:	N-Type Female.

Application:	RFID fixed and mobile portals in rugged environments
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Mechanical

Appearance:	Flat Panel
Size (W x H x D):	600 mm x 300 mm x 70 mm
Weight::	2.0 Kg (4.4 lbs)
Operating Temperature:	-30° C to + 60° C
Wind Loading:	130 mph (210 km/h)

Materials

Covering Material:	UV stabilised ABS Plastic
Colour	White
Mounting Method	Galvanised steel bracket set for mast or pole mounting 1.2 - 2.5 in (30 - 62 mm). Comes complete with elevation tilt angle mechanism



Front View of antenna showing coaxial cable and N-type Connector



Pole mount tilting bracket fitted to antenna

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