

Product datasheet

7 dB, Linearly Polarised Directional Antenna

Product code: RFT-DPL-07-870
Version: 02-.2008

RFTechnics Limited
 Whitehall House
 2 Queens Road
 Sheffield S2 4DG UK

T: +44 (0)114 270 08 87
 F: +44 (0)797 725 42 81
 E: sales@rftechnics.com
RFTECHNICS.COM

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

- Linearly polarised antenna
- Compact design, small foot print
- 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:	865 - 868 MHz
Gain:	7 dBi
Polarisation:	Linear
3 dB Beamwidth Horizontal Plane:	75°
3 dB Beamwidth Vertical Plane:	70°
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):	175 mm x 175 mm x 40 mm
Weight::	0.3 Kg (0.7 lbs)
Operating Temperature:	-30° C to + 60° C
Wind Loading:	130 mph (210 km/h)

Materials

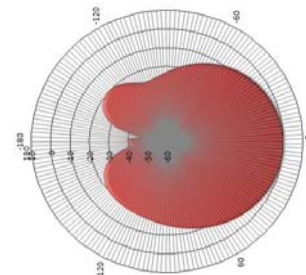
Covering Material:	UV stabilised ABS Plastic
Colour	Grey
Mounting Method	Galvanised steel bracket set for mast or pole mounting 1.2 - 2.5 in (30 - 62 mm). Comes complete with elevation tilt angle mechanism



Front View of antenna



Pole mount tilting barcket fitted to antenna



iHorizontal Plane Cut

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