

Product datasheet

Dual Circularly Polarised Directional Antenna

Product code: RFT-DCP-08-8496
Version: 02-.2008

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

- Allows access to both Left Hand and Right Hand circularly polarised signals
- 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
- Broadband design, covers the full ISM band (ETSI, FCC and Japan)

Technical specification
Electrical

Frequency Band:	840 - 960 MHz
Gain:	8 dBic
Polarisation:	Circular (Right Hand & Left Hand)
3 dB Beamwidth Horizontal Plane:	65°
3 dB Beamwidth Vertical Plane:	65°
Nominal Impedance:	50 Ohm
VSWR:	1.5:1.0 max.
Maximum Input Power:	10 W
Connector Type:	N-Type Female. 2 off RF Ports, 1 for LHCP and 1 for RHCP
Application:	RFID fixed and mobile portals in rugged environments

Mechanical

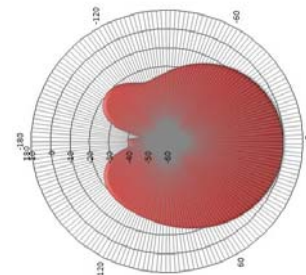
Appearance:	Flat Panel
Size (W x H x D):	300 mm x 300 mm x 50 mm
Weight::	0.7 Kg (1.5 lbs)
Operating Temperature:	-30° C to + 60° C
Wind Loading:	130 mph (210 km/h)
Materials	
Covering Material:	UV stabilised ABS Plastic
Colour	White
Mounting Method	Galvanised steel bracket set for mast or pole mounting 1.2 - 2.5 in (30 - 62 mm). Comes complete with elevation tilt angle mechanism



Back View showing the 2 ports for RHCP and LHCP



Pole mount tilting barcket fitted to antenna



iHorizontal Plane Cut

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