

**Product datasheet**

# 16 dB, 120° Sector Coverage Antenna

**Product code:** RFT-SCV-16-5X-120  
**Version:** 02.2008

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**Application:** Point to multipoint base station application, warehouses, shopping malls, Hotels, Marinas for 802.11 a

- Ideally suited for point to multipoint base station applications
- Use 3 around a mast to give a high performance omnidirectional pattern (Base Station)
- Maintains excellent RF performance across frequency band
- Rugged, weather proof construction
- Suitable for in-door or outdoor use
- Broadband design covers the full band 5.1 to 5.9 GHz

**Technical specification**
**Electrical**

Frequency Band:	5150 - 5875 MHz
Gain:	16 dBi
Polarisation:	Vertical
Beamwidth Horizontal Plane:	120° (Sector Coverage)
3 dB Beamwidth Vertical Plane:	6 °
Beam Tilt:	0° (No beam tilt with frequency)
Nominal Impedance:	50 Ohm
VSWR:	2.0:1.0 max.
Maximum Input Power:	50 W
Connector Type:	N-Type Female.

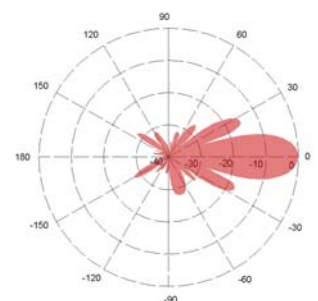
**Application:** Point to Multipoint (Base Station, Access points, Hot Spots) for 802.11a

**Mechanical**

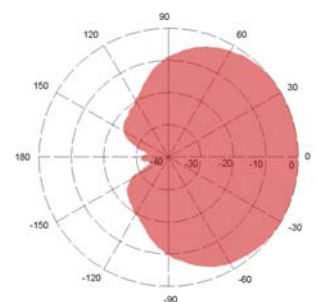
Width (Nominal):	50 mm ( 1.9 in)
Height (Nominal):	700 mm (27.6 in)
Weight:	0.5 Kg (1.0 lbs)
Operating Temperature:	-30° C to + 60° C
Wind Loading:	130 mph (210 km/h)

**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 mounting hardware



Vertical Plane Cut



Horizontal Plane Cut

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