

Single Band Urban Antenna

90° 1.3 m vertical polarized FET Antenna

Part Number: 7231.06	Horizontal Beamwidth: 90° Gain: 14.0 dBi / 11.9 dBd	Electrical Downtilt: 6° Connector Type: 7/16 DIN female
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870-960 MHz

The Powerwave® Urban Single Band Antenna blends inconspicuously into structural backgrounds due to its slim design. This makes it an ideal choice for built-up areas, whether domestic or commercial. State-of-the-art patch technology allows the antenna's characteristic flat design. Made from corrosion-resistant aluminum and PVC, its exceptionally rugged design reassures you that every Urban antenna we produce provides reliable, lasting service even in the most demanding environments.



Key Benefits

- Market Leading Performance
- Vertical Polarization
- Light Weight
- Reliable Lasting Service

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technologies

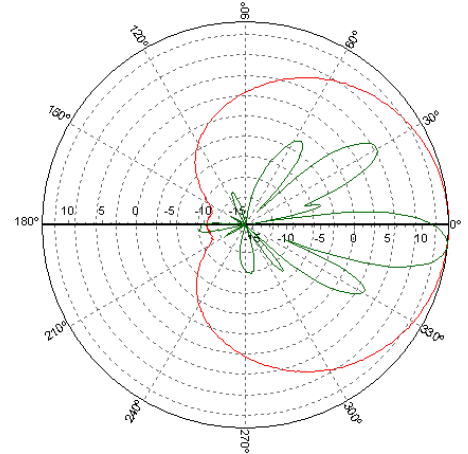
870-960 MHz

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Electrical Specifications

Frequency Band (MHz)	870 – 960
Gain (dBi / dBd)	14.0 / 11.9
Polarization	Linear vertical
Nominal Impedance (Ohm)	50
VSWR	< 1.3.1
Horizontal –3 dB beamwidth	90°
Electrical downtilt	6°
Vertical –3 dB beamwidth	14°
First upper sidelobe suppression (dB)	>17
Vertical beam squint	<0.5°
Front-to-back ratio, co-polar (dB)	> 20
Maximum input power (W)	500
IM3, @2x43dBm (dBc)	<-150

All specifications are subject to change without notice.
Contact your Powerwave representative for complete performance data.



Typical Horizontal and Vertical 7231.06 Patterns

Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1320x160x55mm (4'4"x6"x2")
Weight Including Bracket	7,5kg (16.5 lbs)
Wind Load, Frontal, 42 m/s, Cd=1	233 m/s (52 lbf)
Survival Wind Speed	55 m/s (123 mph)
Lightning Protection	DC grounded
Radome Material	PVC
Radome Color	Light gray
Packing Size	1430x216x156mm (4'8"x9"x6")
Shipping Weight	9kg (20 lbs)

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