

Single Band Urban Antenna

90° 1.9 m vertical polarized FET Antenna

Part Number: 7232.07	Horizontal Beamwidth: 90° Gain: 15.0 dBi / 12.9 dBd	Electrical Downtilt: 4° 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

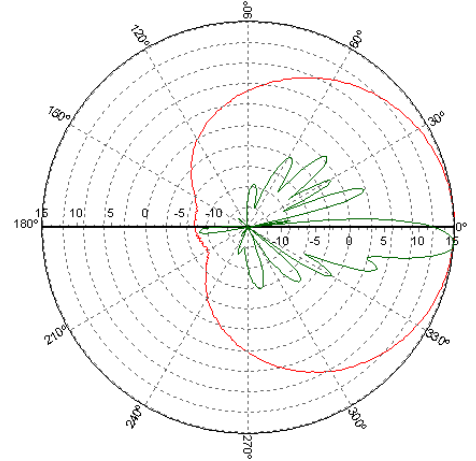
Single Band Urban Antenna

870-960 MHz

Electrical Specifications

Frequency Band (MHz)	870 – 960
Gain (dBi / dBd)	15.0 / 12.9
Polarization	Linear vertical
Nominal Impedance (Ohm)	50
VSWR	< 1.3:1
Horizontal –3 dB beamwidth	90°
Electrical downtilt	4°
Vertical –3 dB beamwidth	9°
First upper sidelobe suppression (dB)	>15
Vertical beam squint	<0.5°
Front-to-back ratio, co-polar (dB)	> 20
First Null below horizon (dB)	>-15
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 7232.07 Patterns

Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1940x160x55mm (6'4"x6"x2")
Weight Including Bracket	10kg (22 lbs)
Wind Load, Frontal, 42 m/s, Cd=1	342 m/s (77 lbf)
Survival Wind Speed	55 m/s (123 mph)
Lightning Protection	DC grounded
Radome Material	PVC
Radome Color	Light gray
Packing Size	2050x216x156mm (6'9"x9'x6")
Shipping Weight	12kg (26.5 lbs)

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COVERAGE AND CAPACITY

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