

Single Band Urban Antenna

65° 1.9 m vertical polarized FET Antenna

Part Number: 7227.06, 7227.16 | Horizontal Beamwidth: 65° | Electrical Downtilt: 4°
Gain: 17.0 dBi / 14.9 dBd | Connector Type: 7/16 DIN female

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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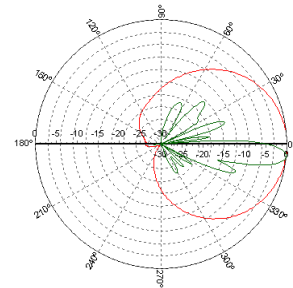
870-960 MHz

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Electrical Specifications

Frequency Band (MHz)	870 – 960
Gain (dBi / dBd)	17.0 / 14.9
Polarization	Linear vertical
Nominal Impedance (Ohm)	50
VSWR	< 1.3.1
Horizontal –3 dB beamwidth	65°
Electrical downtilt	4°
Vertical –3 dB beamwidth	9°
First upper sidelobe suppression (dB)	>17
Front-to-back ratio, co-polar (dB)	> 23
First Null below horizon (dB)	>-17
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 7227.04 Patterns

Mechanical Specifications

Connector Type	7/16 DIN female
Connector Position	Bottom
Dimensions, HxWxD	1940x256x50mm (6'4"x10"x2")
Weight Including Bracket	11kg (24 lbs)
Wind Load, Frontal, 42 m/s, Cd=1	548 m/s (123 lbf)
Survival Wind Speed	55 m/s (123 mph)
Lightning Protection	DC grounded
Radome Material	PVC
Radome Color	Light gray
Packing Size	2050x308x121mm (6'9"x1'x5")
Shipping Weight	13kg (29 lbs)

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