

7271.02**Urban Vertical Polarized**

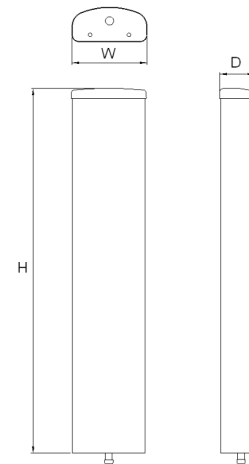
POLARIZATION: V-Pol
 FREQUENCY (MHz): 824-896
 HORIZONTAL BEAM WIDTH (°): 65
 GAIN (dBi/dBd): 15.5/13.4
 TILT: FET
 LENGTH: 1.3m (4'3")

ELECTRICAL SPECIFICATIONS*

Frequency range (MHz)	824-896
Frequency band (MHz)	824-896
Gain (dBi/dBd)	15.5/13.4
Polarization	Linear vertical
Nominal Impedance (Ω)	50
VSWR	<1.3:1
Horizontal beam width, -3 dB (°)	65
Vertical beam width, -3 dB (°)	14
Electrical down tilt (°)	0
Side lobe suppression, vertical 1st upper (dB)	>17
First null fill (dB)	>-20
Vertical beam squint (°)	0.5
Front to back ratio (dB) 180° ±30° coplanar	>24
IM3, 2xTx&43dBm (dBc)	<-150
Power handling, average total (W)	500

MECHANICAL SPECIFICATIONS*

Connector	1 x 7/16 DIN female
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	1320x256x50 (4'4"x10"x2")
Mounting	Pre-mounted standard bracket
Weight, with brackets, kg (lbs)	10.7 (23.5)
Weight, without brackets, kg (lbs)	7 (15.4)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	493
Maximum operational wind speed, m/s (mph)	42
Survival wind speed, m/s (mph)	55
Lightning protection	DC grounded
Operating Temperature	
Radome Material	PVC
Radome colour	Light Gray
Packing size, HxWxD, mm (ft)	1430x308x121 (4'8"x1'x5")
Shipping weight, kg (lbs)	8.5 (18.7)
Brackets	7456.00A, 7454.00, 7455.00, 7458.00



*All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

ANTENNA PATTERNS*

For detailed patterns visit <http://www.powerwave.com/rpa/>.