

7281.02

## X-Urban Cross Polarized

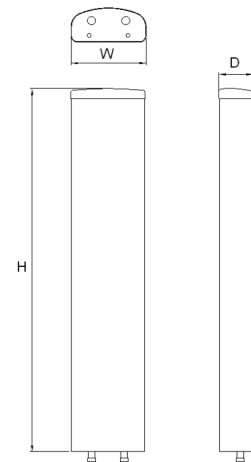
POLARIZATION: X-Pol  
 FREQUENCY (MHz): 824-896  
 HORIZONTAL BEAM WIDTH (°): 65  
 GAIN (dBi dBd): 16.5/14.4  
 TILT: FET  
 LENGTH: 1.9m (6'2")

## ELECTRICAL SPECIFICATIONS\*

Frequency range (MHz)	824-896
Frequency band (MHz)	824-896
Gain (dBi/dBd)	16.5/14.4
Polarization	Linear slanted $\pm 45^\circ$
Nominal Impedance ( $\Omega$ )	50
VSWR	<1.3:1
Horizontal beam width, -3 dB (°)	65
Vertical beam width, -3 dB (°)	9
Electrical down tilt (°)	0
Side lobe suppression, vertical 1st upper (dB)	>15
First null fill (dB)	-
Vertical beam squint (°)	<0.3
Front to back ratio (dB) $180^\circ \pm 30^\circ$ coplanar	>24
Front to back ratio (dB) $180^\circ \pm 30^\circ$ total power	>20
Cross polar discrimination (XPD) $0^\circ$ (dB)	>20
Cross polar discrimination (XPD) $\pm 60^\circ$ (dB)	>10
Far field coupling	-
IM3, 2xTx&43dBm (dBc)	<-150
Power handling, average per input (W)	250
Power handling, average total (W)	500

## MECHANICAL SPECIFICATIONS\*

Connector	2 x 7/16 DIN female
Connector position	Bottom
Dimensions, HxWxD, mm(ft)	1940x256x50 (6'4"x10"x2")
Mounting	Pre-mounted heavy duty bracket
Weight, with brackets, kg (lbs)	14.5 (31.9)
Weight, without brackets, kg (lbs)	9 (19.8)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	794
Maximum operational wind speed, m/s (mph)	42
Survival wind speed, m/s (mph)	55 (123)
Lightning protection	DC grounded
Operating Temperature	
Radome Material	PVC
Radome colour	Light Gray
Packing size, HxWxD, mm (ft)	2050x308x121 (6'9"x1'x5')
Shipping weight, kg (lbs)	10 (22)
Brackets	7256.00, 7454.00



\*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/>.