

**7218.09****X-Urban Cross Polarized**

POLARIZATION: X-Pol  
 FREQUENCY (MHz): 870-960  
 HORIZONTAL BEAM WIDTH (°): 65  
 GAIN (dBi/dBd): 18/15.9  
 TILT: FET  
 LENGTH: 2.6m (8'6")

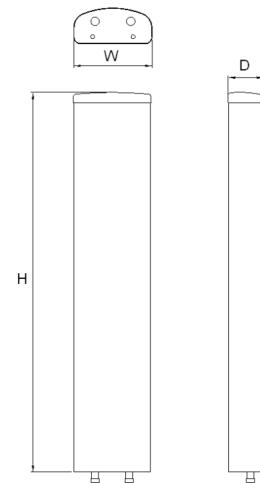
**ELECTRICAL SPECIFICATIONS\***

Frequency range (MHz)	870-960
Frequency band (MHz)	870-960
Gain (dBi/dBd)	18/15.9
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 (°)	6.5
Electrical down tilt (°)	2
Side lobe suppression, vertical 1st upper (dB)	>18
Isolation between inputs (dB)	>30
Inter band Isolation (dB)	-
Tracking, horizontal plane $\pm 60^\circ$ (dB)	<1
First null fill (dB)	-
Vertical beam squint (°)	<0.3
Front to back ratio (dB)	>24
Front to back ratio, total power (dB)	>20
Cross polar discrimination (XPD) 0° (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)	2580x256x50 (8'6"x10"x2")
Mounting	Pre-mounted standard bracket
Weight, with brackets, kg (lbs)	20.2 (44.5)
Weight, without brackets, kg (lbs)	14 (30.8)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	1082
Maximum operational wind speed, m/s (mph)	42
Survival wind speed, m/s (mph)	55 (123)
Lightning protection	DC grounded
Radome material	PVC
Radome colour	Light Gray
Package size, HxWxD, mm (ft)	2690x308x121 (8'10"x1'x5')
Shipping weight, kg (lbs)	18 (39.7)
Brackets	7456.00A, 2201.11, 7454.00, 7455.00, 7458.00

\*All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data. \*\*VSWR at 2300MHz is 1.55:1.

**ANTENNA PATTERNS\***

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