



# CYL-X7C-465

CYLINDER-- 65° Azimuth Beams, 60" long x 16.3" diameter

Directing our energies for you.

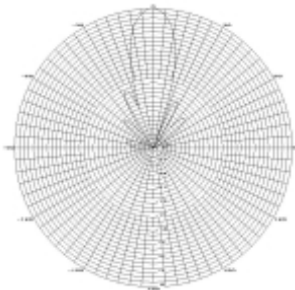
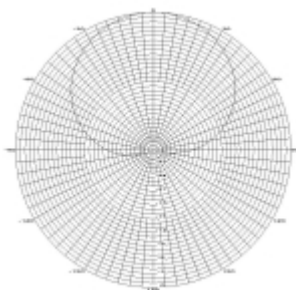
698-896MHz Xpol

## Electrical Specifications

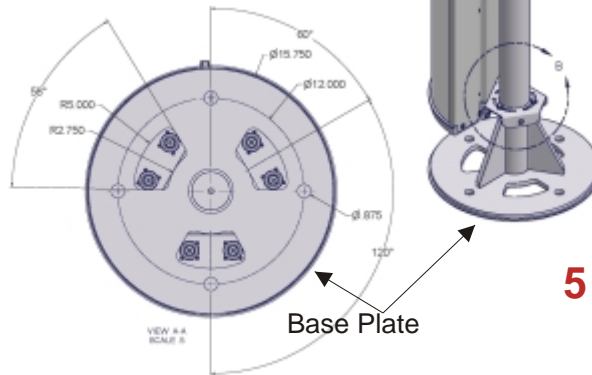
Frequency	698-896 MHz
Polarization	Slant +/- 45°
Gain @ 896 MHz	12.8 dBd
Horizontal Beam Low / High Band	65°
Vertical Beam Low / High Band	14.5°
Electrical Downtilt Options	0, 2, 4, 6, 8 or 10°
VSWR / Return Loss	<1.45:1 / 14.7 dB
Front-to-Back at Horizon Low Band	>26 dB
Front-to-Back at Horizon High Band	>30 dB
Upper Side Lobe Suppression	<-17 dB
Impedance	50 Ohms
Power Input Per Port	500 Watts CW
Intermodulation (2x20W)	<-150 dBc

## Mechanical Specifications

Input Connector (female)	6 Bottom Mounted 7/16 DIN (silver finish)
Antenna Dimensions	60" long x 16.3" dia. (1524 x 414mm)
Total Weight	83.2 lbs
Antennas (3) Weight	55.2 lbs
Pole & Base Weight	28.0 lbs
Lightning Protection	Direct Ground
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	120 mph
Wind Load @ 100MPH	162 lbs
Equivalent Flat Plate @100MPH	3.3 sq-ft. (c=1.65)
Bottom Mount Flange	Aluminum / Stainless Steel



Single unit antenna shown specify electrical tilt of each unit (3 single units create the cylinder)



**5 Year Warranty**

## Ordering Information & Options

CYL-X7C-465-xyz

"x", "y" and "z" are order model placeholders for the built-in fixed electrical downtilt combinations in degrees. Set "x", "y" and "z" to either 0, 2, 4, 6, 8 or 10, for internal antennas 1, 2 and 3.

Note: single units are available-- see "FLG-X7C-465" spec sheet

