

## CYL-X7C-465

Cylinder, Xpol, 65° H-Beam  
698-896 MHz

- Cylinder Antenna 698-896 MHz Antenna
- 3 Sectors (3 Antennas)
- Suitable for LTE/CDMA/UMTS/GSM



## ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-896 MHz
Polarization	65°
Gain @ 896 MHz	14.9 dBi
Horizontal Beam (3dB Points)	65°
Vertical Beam (3dB Points)	14.5°
Elect. Downtilt Range, 2° Increments	0-10°
VSWR / Return Loss	<1.45:1 / 14.7 dB
Front-to-Back at Horizon	>26 dB
Front-to-Back at Horizon	>30 dB
Upper Side Lobe Suppression	<-17 dB
Impedance	50 Ohms
Power Input Per Port, CW (w)	500
Intermodulation (2x20W)	<-150 dBc

## MECHANICAL SPECIFICATIONS

Input Connector (female)	6 Bottom Mounted 7/16 DIN
Connector Torque	220-265 lbf-in (25-30 N-m)
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
Mechanical Downtilt Range	120 mph
Wind Survival	120 mph
Front Wind Load @100mph	162 lbf
Equivalent Flat Plate @100mph	3.3 sq-ft. (c=1.65)
Bottom Mount Flange	Aluminum / Stainless Steel

## ORDER INFORMATION

MODEL	DESCRIPTION
CYL-X7C-465-xyz	Set "x", "y" and "z" to either 0, 2, 4, 6, 8 or 10, for internal antennas 1, 2 and 3. Includes base plate, center pole & brackets
FLG-4-3	Optional base mounting plate with 4ft center pole, includes brackets, holds 3 FLG antennas

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