

## CYL-X7CAP-665

Cylinder, Dual Band Xpol, 65° H-Beams

698-896 MHz

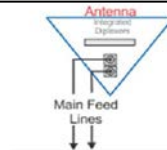
1710-2170 MHz

- Cylinder Antenna
- 3 Sector Antenna (3 Antennas)
- Suitable for LTE/CDMA/UMTS/GSM
- Includes Internal Diplexers



**Includes Internal Diplexers:**

Reduces Mainline Loss  
Eliminates External Devices



### ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-896	1710-2170
Horizontal Beam Low / High Band	65°	65°
Vertical Beam Low / High Band	11°	5°
Gain @ 896 MHz	15.9 dBi	
Gain @ 2155 MHz	18.7 dBi	
Polarization	Slant +/- 45°	
Electrical Downtilt Range, 2° Increments	2-10° low, 2-6° high band	
VSWR/Return Loss	<1.50:1 / 14.0 dB	
Front-to-Back at Horizon	>27 dB	
Front-to-Back at Horizon High Band	>27 dB	
Upper Side Lobe Suppression	<-18 dB	
Impedance	50 Ohms	
Power Input Per Connector CW, ("ip") (w)	500	
Intermodulation (2x20W)	<-150 dBc	

## MECHANICAL SPECIFICATIONS

Input Connector (female)	6 Bottom Mounted 7/16 DIN
Recommended Connector Coupling Torque	7/16 DIN: 220-265 lbf-in (25-30 N-m)
Antenna Dimensions (LxWxD)	84" long x 16.3" dia. (2134 x 414mm)
Total Weight	225 lbs
Antennas (3) Weight	99 lbs
Pole & Base Weight	126 lbs (steel)
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	265 lbf
Equivalent Flat Plat @100mph	5.39 sq-ft. (c=1.65)
Bottom Mount Flange (919043)	Aluminum and/or Steel

## ORDER INFORMATION

MODEL	DESCRIPTION
CYLY7CAP665-abcdefip	"ab", "cd" and "ef" are order model placeholders for the built-in fixed electrical downtilt combinations in degrees set "a", "c" and "e" to any combination of 2, 4 or 6 for low frequency band-side of antennas set "b", "d" and "f" to any combination of 2, 4 or 6 for high frequency band-side of antennas This model includes six built-in diplexers to reduce input connector ports from 12 to 6
FLG-6-3	Includes base plate, center pole & brackets. Optional base mounting plate with 6ft center pole only, includes brackets, holds 3 FLG antennas.

**Note: single units are available-- see "FLG-X7CAP-665" spec sheet**