

CYL-X7CAP-465

Vpol, 65° H-Beam, Dual Band

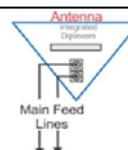
698-896 MHz
1710-2170MHz



- 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	14.5°	7°
Gain @ 896 MHz	14.4 dBi	
Gain @ 2155 MHz		17.9 dBi
Polarization		Slant +/- 45°
VSWR/Return Loss	<1.50:1 / 14.0 dB	
Electrical Down Tilt	2-10° low, 2-6° high band	2-10° low, 2-6° high band
Front-to-Back at Horizon Low Band	>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)	60" long x 16.3" dia. (1524 x 414mm)
Total Weight	94.0 lbs
Antennas (3) Weight	66.0 lbs
Pole & Base Weight	28.0 lbs
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 lbf
Equivalent Flat Plat @100mph	3.3 sq-ft. (c=1.65)
Bottom Mount Flange (919037)	Aluminum / Stainless Steel

ORDER INFORMATION

MODEL	DESCRIPTION
CYLX7CAP465-abcdefip	<p>"ab", "cd" and "ef" are order model placeholders for the built-in fixed electrical downtilt combinations in degrees</p> <p>set "a", "c" and "e" to any combination of 2, 4, 6, 8 or 10 for low frequency band-side of antennas</p> <p>set "b", "d" and "f" to any combination of 2 or 4 or 6 for high frequency band-side of antennas</p> <p>This model includes six built-in diplexers to reduce input connector ports from 12 to 6</p>
FLG-4-3	<p>Includes base plate, center pole & brackets.</p> <p>Optional base mounting plate with 4ft center pole only, includes brackets, holds 3 FLG antennas</p>

Note: single units are available-- see "FLG-X7CAP-465" spec sheet