

CYL-X7C-665

Cylinder, Xpol, 65° H-Beam

698-896 MHz



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-896
Horizontal Beam	65°
Vertical Beam	10°
Gain @ 896 MHz	16.4 dBi
Polarization	Slant +/- 45°
Electrical Downtilt Range, 2° Increments	0-10°
VSWR/Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>27 dB
Upper Side Lobe Suppression	<-18 dB
Impedance	50 Ohms
Power Input Per Connector ("ip")	500 CW at 800 MHz
Isolation	< -26 dB
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	210 lbs
Antennas (3) Weight	84 lbs
Pole & Base Weight	126 lbs (steel)
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	265 lbf
Equivalent Flat Plate @100mph	5.39 sq-ft. (c=1.65)
Bottom Mount Flange	Aluminum and/or Steel

ORDER INFORMATION

MODEL	DESCRIPTION
CYL-X7C-665-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. Includes base plate, center pole & brackets.
FLG-6-3	Optional base mounting plate with 6ft center pole, includes brackets, holds 3 FLG antennas

Note: single units are available-- see "FLG-X7C-665" spec sheet

Mechanical Drawing

Standard Bracket Kit

Optional Bracket Kit