

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

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|---------------------------------------|--------------------------------------|
| 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