

V7C-FRO-860

Xpol, 58° H-Beam
698-896 MHz

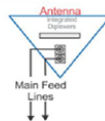
- Vertical Pol. Antenna
- Fast Roll Off (FRO)
- Suitable for LTE/CDMA/UMTS/GSM
- Optional Internal Diplexers



Available with Integrated Diplexers

Reduces mainline cables

Eliminates external devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-896 MHz
Polarization	Slant +/- 45
Gain @ 698 MHz	17.2 dBi
Gain @ 782 MHz	17.7 dBi
Gain @ 896 MHz	18.3 dBi
Horizontal Beam (3dB Points)	58°
Vertical Beam (3dB Points)	8°
Elect. Downtilt Range, 2° Increments	0-10°
VSWR (2° thru 10° ET) / Return Loss	<1.40:1 / 15.6 dB
VSWR @ 0° & / Return Loss	<1.50:1 / 14.0 dB
VSWR / Return Loss	<1.45:1 / 14.7 dB
Front-to-Back at Horizon	>30 dB
Upper Side Lobe Suppression	<-18 dB
Impedance	50 Ohms
Power Input Per Connector CW, (w)	500
Isolation	< -27 dB
Intermodulation (2x20W)	<-150 dBc

MECHANICAL SPECIFICATIONS

Input Connector (female)	Back 7/16 DIN or w/bot. opt.
Recommended Connector Coupling Torque	7/16 DIN: 220-265 lbf-in (25-30 N-m)
Antenna Dimensions (LxWxD)	96.0 x 14.6 x 8.0 in. (2438 x 370.84 x 203.2mm)
Antenna Weight	43.4 lbs
Bracket Weight	18.2 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	150 mph
Front Wind Load @100mph	282 lbf (1256.3n)
Equivalent Flat Plate @100mph	5.62 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Down tilt Range	0-6°
Standard Bracket Kit	P/N 919032 (Included)
Clamps/Bolts	Galvanized Steel/Stainless Steel

ORDER INFORMATION

MODEL	DESCRIPTION
X7C-FRO-860-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4, 6, 8 or 10
X7C-FRO-860-xip	"ip" option includes pass-thru integrated diplexer(s) which pass DC to the diplexer port(s)
X7C-FRO-860-xip-bot	for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)
919049	Optional Bracket Kit, 3-Point, 6 degree D-tilt, For 4.5" OD Pole

***Antenna Weight may vary slightly with options.**