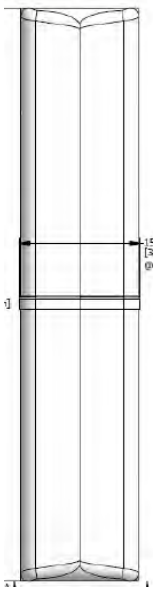
X7-FRO-660

Xpol, 58° H-Beam
698-800 MHz



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	**698-800 MHz**
Polarization	Slant +/- 45
Gain @ 698 MHz	16.3 dBi
Gain @ 782 MHz	16.8 dBi
Horizontal Beam (3dB Points)	58º
Vertical Beam (3dB Points)	11º
Elect. Downtilt Range, 2º Increments	0-10º
VSWR / Return Loss	<1.40:1 / 15.6 dB
Front-to-Back at Horizon	>30 dB
Upper Side Lobe Suppression	<-18 dB
Impedance	50 Ohms
Power Input Per Connector	500 CW at 800 MHz
Isolation	< -28 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)	72.0 x 14.6 x 8.0 in. (1829 x 372 x 203mm)
Antenna Weight	32.2 lbs
Bracket Weight	13.2 lbs
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	150 mph
Front Wind Load @100mph	208 lbf
Equivalent Flat Plate @100mph	4.23 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-12°
Clamps/Bolts	Galvanized Steel/Stainless Steel

ORDER INFORMATION

MODEL	DESCRIPTION
X7-FRO-660-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4, 6, 8 or 10
X7-FRO-660-x-bot	for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)

*Antenna Weight may vary slightly with options.

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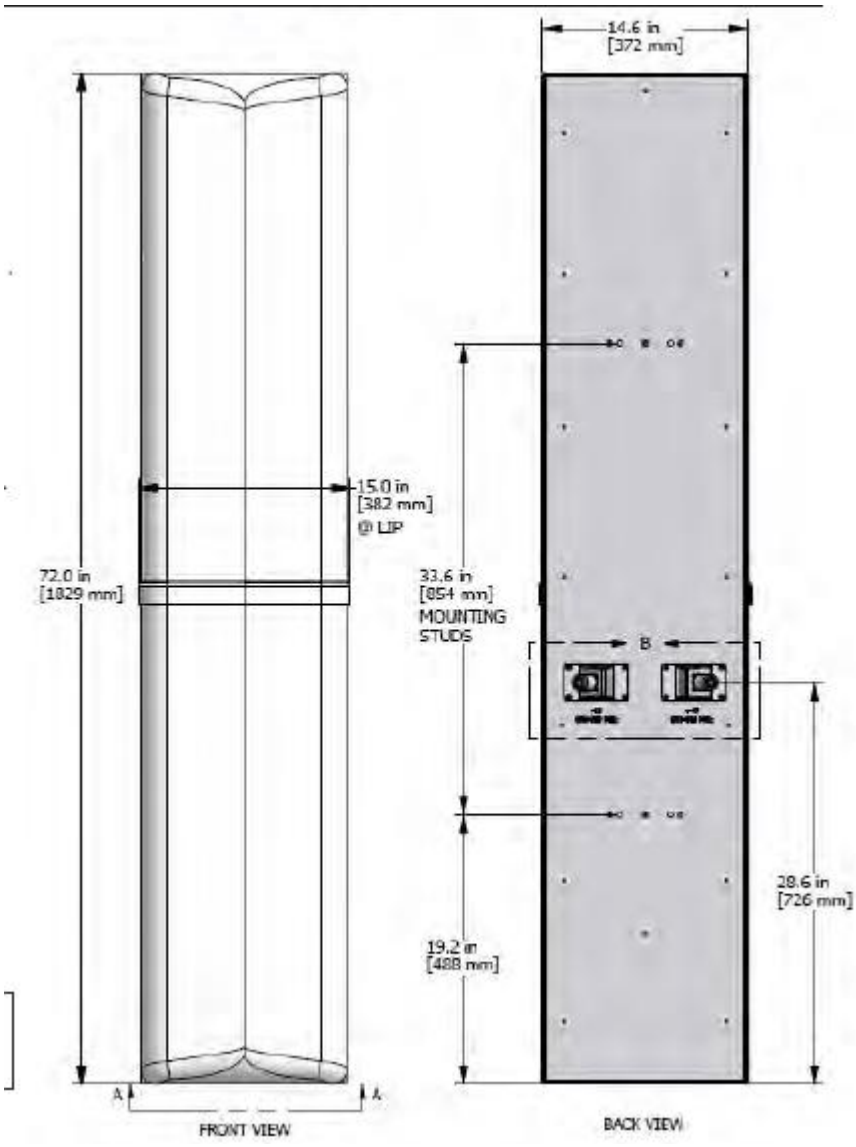
Mechanical Drawing



Standard Bracket Kit

Optional Bracket Kit