

X7C-MB-434

X-Pol Twin Beam Antenna, 698-896MHz, 50.5", 34° Azimuth

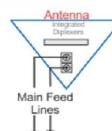
- Sector Splitting Antenna
- Forms 2 independent X Pol 30° Beam
- High Isolation Between Beams
- Six Sector Site With 3 Antennas

Optional Internal Diplexers



Available with Integrated Diplexers

Reduces mainline cables



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-800	800-896
Horizontal Beamwidth, 3dB points	34°	34°
Gain, dBi	16.1	17.1
Vertical Beamwidth, 3dB points	16	16
Front-to-Back at 180°, dB	>28	>28
Upper Sidelobe Suppression, Typical, dB	18	18
Polarization	+/-45°	
Electrical Downtilt in degrees	0°, 2°, 4° or 6°	
VSWR/Return Loss, dB, Maximum	1.5:1/-14.0	
Isolation Between Ports, dB, Minimum	28	
Intermodulation (2x20w), IM3, dBc	-150	
Impedance, ohms	50	
Maximum Power Per Connector, CW (w)	500	
Lightning Protection	DC Ground	

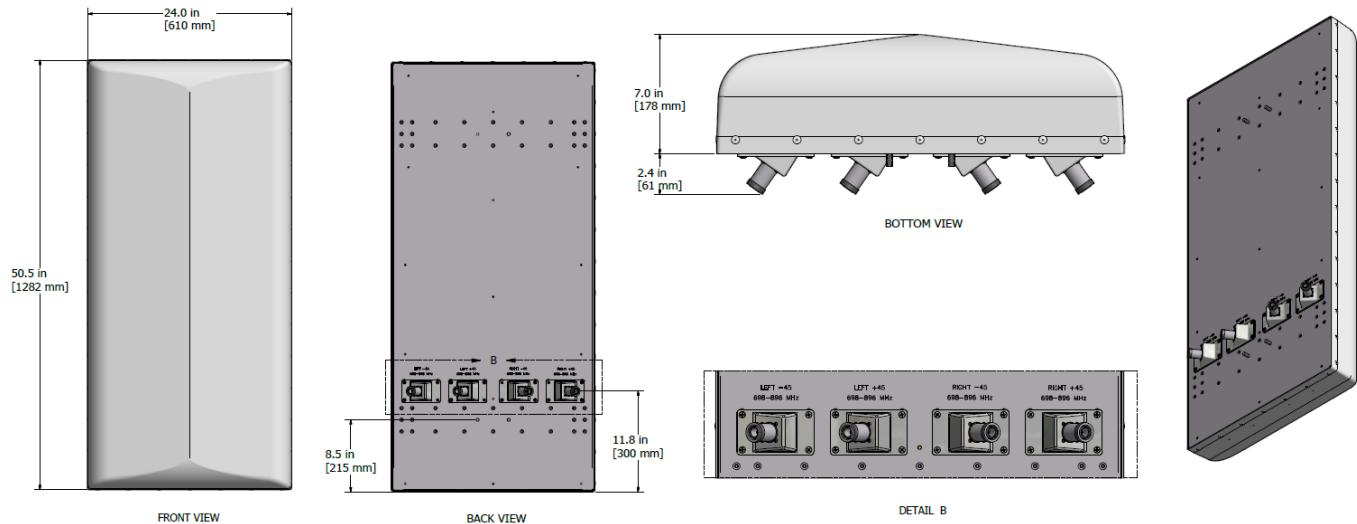
MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	50.5 / 24 / 7 in (1282.7 / 609.6 / 177.8 mm)
Connector (Quantity) Type	(4) Or (8) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	Est. 55lbs
Bracket Weight	13.2 lb (6.0 kg)
Standard Bracket Kit	P/N 919046 (Included)
Mechanical Down tilt Range	0-9°
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925
Wind Survival	150 mph (241 km/h)
Front Wind Load	209.0 lbf (931.1 N) @100mph
Equivalent Flat Plate	4.17 sq-ft (c=2) @ 100mph

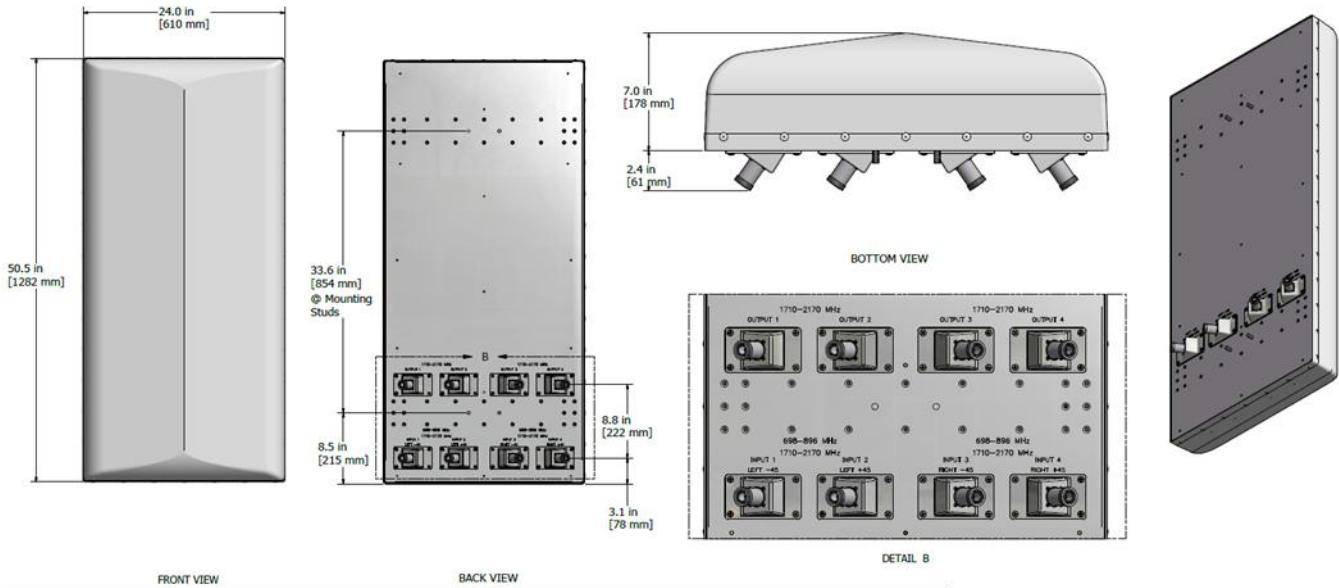
ORDER INFORMATION

MODEL	DESCRIPTION
X7C-MB-434-x	«-x» is placeholder for the built-in fixed electrical downtilt in degrees, set to 0.2.4 or 6
X7C-MB-434-x-ip	«ip» option includes ipass-thru integrated diplexer(s) which pass DC to the diplexer ports With four pass thru integrated diplexers, «-x» is a placeholder for the built in fixed EDT in degrees
919036	Optional Bracket Kit to fit 4.5 in O.D. Pole max

Mechanical Outline Drawing non IP



Mechanical Outline Drawing IP model



MB Antenna Beam Directions

