

## X7C-MB-434

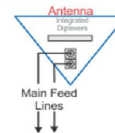
X-Pol Twin Beam Antenna, 698-896MHz, 50.5", 34° Azimuth

- 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	

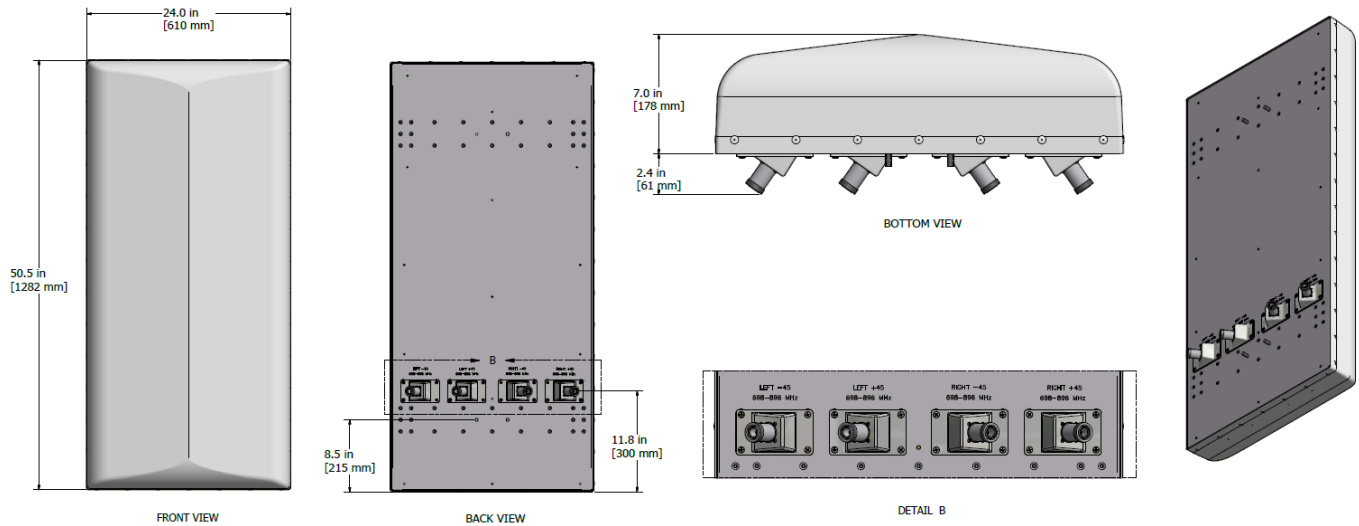
## MECHANICAL SPECIFICATIONS

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

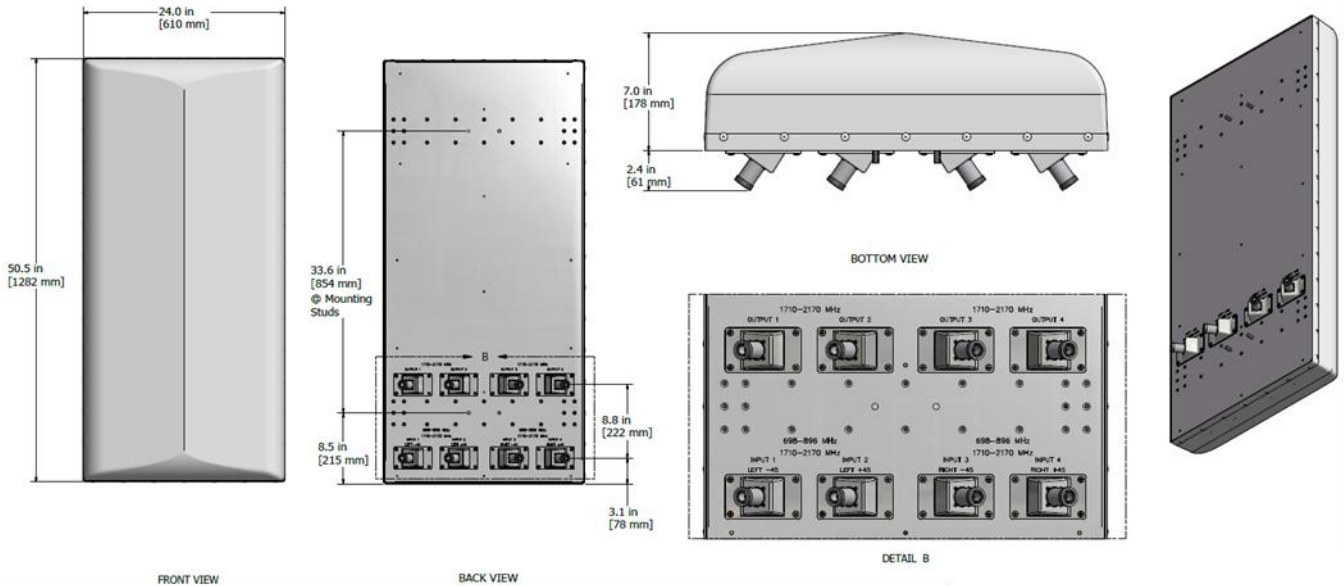
## ORDER INFORMATION

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

