

XX Pol Quasi Omni Tube Antenna 2×1710-2690MHz 360° 5dBi 3°FET

Electrical Specifications

Frequency Range (MHz):	2×1710-2690				
	1710-1880	1880-2025	2025-2170	2300-2500	2500-2690
Gain (dBi):	5±0.5	5.2±0.5	5.5±0.5	6±0.5	6.3±0.5
Return Loss (dB):	>14 (VSWR <1.5)				
Polarization (°):	±45				
Horizontal 3dB Beamwidth (°):	360				
Vertical 3dB Beamwidth (°):	26	25	24	22	20
Electrical Downtilt (°):	3 Fixed				
Upper Sidelobe Suppression (dB):	15	15	15	14	13
Cross Polar Ratio (0-360°) (dB):	10	10	10	8	8
Isolation Between Polarizations (dB):	>25				
Power Rating (W):	200				
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)				
Impedance (ohm):	50				
Lightning Protection:	DC Grounded				
Connector Type:	4×7/16 DIN Female				

BASTA Electrical Specifications

Frequency Rang(MHz):	1710-1880	1880-2025	2025-2170	2300-2500	2500-2690
Average Gain by all Beam Tilts (dBi):	4.2	4.5	5	5.5	5.8
Gain by all Beam Tilts Tolerance(dB):	±0.6	±0.6	±0.6	±0.6	±0.6
Average Gain by Beam Tilt (dBi):	4.2	4.5	5	5.5	5.8
Vertical Beamwidthl Tolerance(°):	±2	±2	±2	±2	±2
USLS beampeak to 20° above beampeak(dB):	15	15	15	14	13
Cross Polar Ratio (0-360°) (dB):	10	9	8	7	6

Mechanical Data

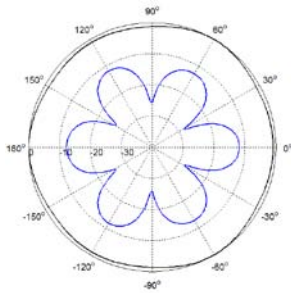
Antenna Dimensions (mm):	Φ138(Diameter)×824(Length)
Packing Dimensions (mm):	1161 (Length)×278 (Wide)×232 (High)
Antenna Net Weight (kg):	8.4
Antenna Gross Weight (kg):	11
Radome Material:	Fiberglass
Mounting Kits (Included):	Flange Mounted

Environmental Ratings

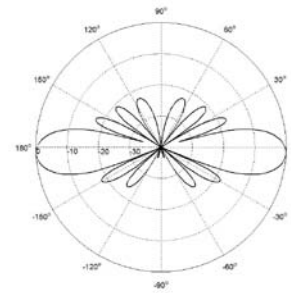
Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	96
Max. Wind velocity(km/h):	200



Typical Patterns



Azimuth



Elevation

Bottom View

