Product Data Sheet

3V2OX305P-2Q

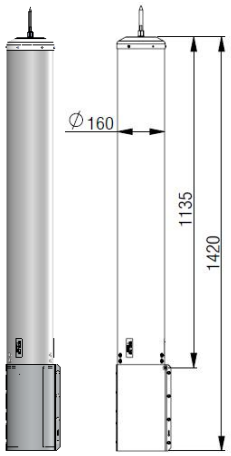
3XX Pol Tube Antenna 3×2×3300-3800MHz 65° 14dBi 2-12° Replaceable RET

Electrical Specifications

Frequency Range (MHz):		3300-3800 (P1,P2,P3, P4,P5,P6)		
		3300-3400	3400-3600	3600-3800
Gain (dBi):	Bottom	13.4±0.5	13.6±0.5	13.8±0.5
	Top	13.1±0.5	13.2±0.5	13.4±0.5
Return Loss (dB):		>14 (VSWR<1.5)		
Polarization:		±45°		
Horizontal 3dB Beamwidth (°):		66	63	60
Vertical 3dB Beamwidth (°):		13.5	13.0	12.5
Electrical Downtilt (°):		2-12 Independently Continuously Adjustable, Two Systems per Sector Controlled by the Same Motor.		
RET Type:		RET Cascade SRET, AISG 2.0, Upgradeable		
1st Upper Sidelobe Suppression (dB):		15	15	15
Front to Back Ratio (dB):		25	25	24
Cross Polar Ratio 0° (dB):		15	15	15
Isolation Port to Port (dB):		>25		
Max. Power Per Port (W):		150		
Intermodulation IM3 (dBc):		<-145(2×43 dBm)		
Impedance (ohm):		50		
Lightning Protection:		DC Grounded		
Connector Type:		3×MQ4 Male		

Mechanical Data

Antenna Dimensions (mm):	Φ160(Diameter)×1420(Length)
Packing Dimensions (mm):	1675(Length)×265(Width)×315(Height)
Antenna Net Weight (kg):	12
Antenna Gross Weight (kg):	18.7
Radome Material:	Fiberglass
Mounting Kits (Included):	Flange Mounted



Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃):	-40～+70
Wind Load @150 km/h (N):	122
Max. Wind velocity(km/h):	200

Internal RET Specifications

RET Type:	Replaceable RET
RET protocol:	AISG2.0 /3GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated,single RET) < 1 (stand by,single RET), < 1.5 (stand by, 12V)
Adjustment time (full range) (s):	< 120 (typically,depending on antenna type)
RET connector:	1 pair of AISG 5 pin male & female
Pin assignment according AISG:	8pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

Our products are compliant to the EU Directive RoHS as well as to other environmentally relevant regulations.

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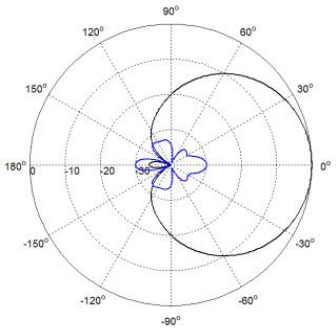
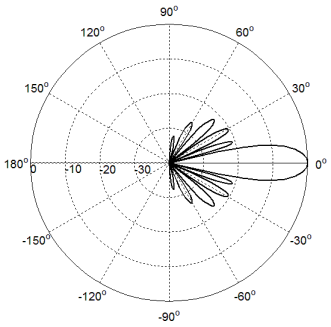
Typical Patterns

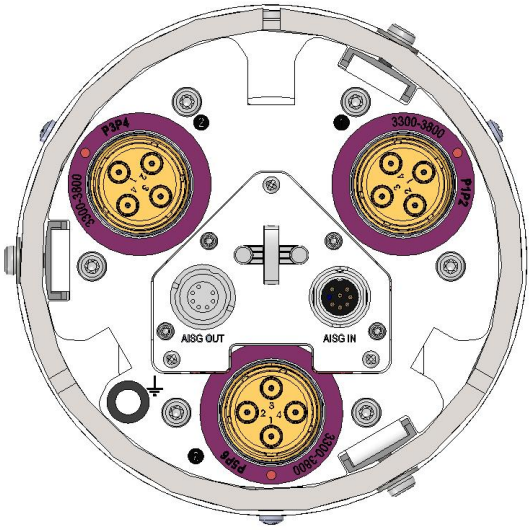


Azimuth



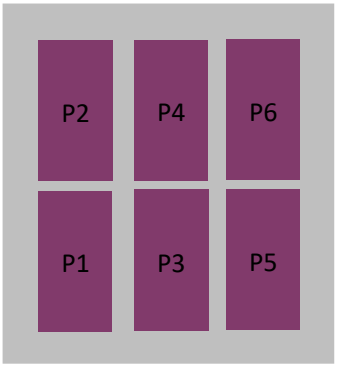
Elevation

Bottom View



Correlation Table

Frequency range	Array	Sector	RET S/N
3300–3800 MHz	P1/P2	1	BRxxx……1P1
3300–3800 MHz	P3/P4	2	BRxxx……2P2
3300–3800 MHz	P5/P6	3	BRxxx……3P3



Sector1 Sector2 Sector3