

## Product Data Sheet

**LLLOX305P-2C**

XXX Pol Tube Antenna 3×1710-2690MHz 65° 14.5dBi 2-12° Replaceable RET 4.3-10 Connector

**BROADRADIO****Electrical Specifications**

Frequency Range (MHz):	1710-2690(Y1,Y2,Y3)		
	1710-2170	2300-2490	2490-2690
Gain (dBi):	13.5±0.5	13.9±0.5	14.2±0.5
Return Loss (dB):		>14 (VSWR<1.5)	
Polarization :		±45°	
Horizontal 3dB Beamwidth (°):	69	68	66
Vertical 3dB Beamwidth (°):	16.0	12.5	11.5
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable		
1 <sup>st</sup> Upper Sidelobe Suppression (dB):	15	15	15
Front to Back Ratio (dB):	25	25	25
Cross Polar Ratio 0° (dB):	15	15	15
Isolation Port to Port (dB):		>25	
Intermodulation IM3 (dBc):		<-150 (2x43 dBm)	
Impedance (ohm):		50	
Max. Power Per Port (W):		250	
Lightning Protection:		DC Grounded	
Connector Type:		6×4.3-10 Female	

**Mechanical Data**

Antenna Dimensions (mm):	Φ160(Diameter)×1150(Length)
Packing Dimensions (mm):	1285(Length)×265(Wide)×270(High)
Antenna Net Weight (kg):	9
Antenna Gross Weight (kg):	11
Radome Material:	Fiberglass
Pipe OD (mm):	/
Mounting Kits (Included):	Flange Mounted

**Environmental Ratings**

Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	92
Max. Wind velocity(km/h):	200

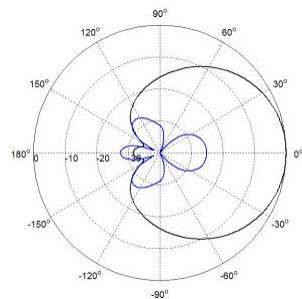
**Internal RET Specifications**

RET Type:	Replaceable RET
RET protocol:	AISG 2.0 /3 GPP
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:	8 pin 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)

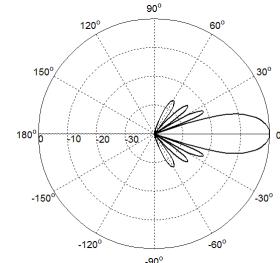
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## Typical Patterns



Azimuth



Elevation