

Product Data Sheet

U2L4PX310P-2C

XXXXXX Pol Panel Antenna 2×698-960/4×1710-2690MHz 65°/65° 16/17.5dBi 2°-12°/2°-12° Replaceable RET

Electrical Specifications

Frequency Range (MHz):	698-960(R1,R2)			1710-2690(Y1,Y2,Y3,Y4)		
	698-806	806-880	880-960	1710-2170	2300-2490	2490-2690
Gain (dBi):	15.4±0.5	15.7±0.5	16.0±0.5	16.6±0.5	17.2±0.5	17.5±0.5
Return Loss (dB):	>14 (VSWR<1.5)					
Polarization:	±45°					
Horizontal 3dB Beamwidth (°):	68	65	60	68	65	58
Vertical 3dB Beamwidth(°):	8.5	7.5	6.5	7.5	6.0	5.5
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable					
1 st Upper Sidelobe Suppression (dB):	15	15	15	15	15	15
Front to Back Ratio (dB):	22	23	24	25	25	25
Cross Polar Ratio 0°(dB):	15	15	15	15	15	15
Intraband Isolation (dB):	>25					
Interband Isolation (dB):	>25					
Average Power Tolerance (W):	250			200		
Intermodulation IM3 (dBc):	<-153 (2×43 dBm)					
Impedance (ohm):	50					
Lightning Protection:	DC Grounded					
Connector Type:	12×4.3-10 Female					

Mechanical Data

Antenna Dimensions (mm):	2600×469×200
Packing Dimensions (mm):	2820×555×290
Antenna Net Weight/bracket (kg):	40.5/ 5.7
Antenna Gross Weight (kg):	53.5
Radome Material:	Fiberglass
Pipe OD (mm):	70-115
Mounting Kits (Included):	BA.K.04.00069491, Adjustable Downtilt 0°-8°in 1°steps

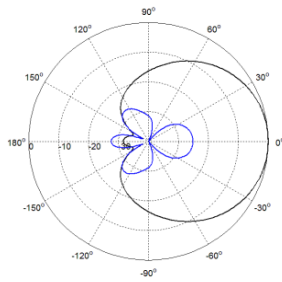
**Environmental Ratings**

Humidity:	95%RH@+30℃
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 1585/360/1713
Max. Wind velocity(km/h):	200

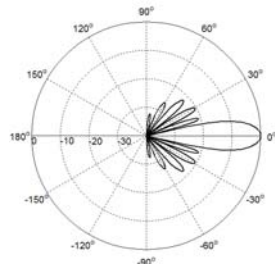
Internal RET Specifications

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)

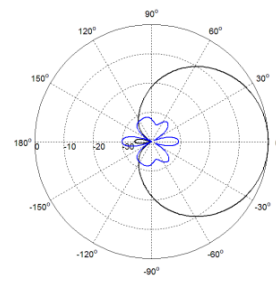
Typical Patterns

U2L4PX310P-2C

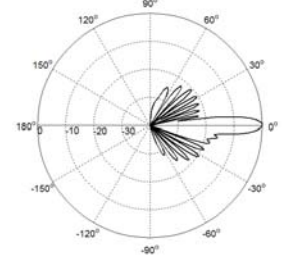
Azimuth(Low Band)



Elevation(Low Band)



Azimuth(High Band)



Elevation(High Band)

Correlation Table

Frequency range	Array	Connector	RET S/N
698–960MHz	R1	1-2	BRxxx.....1R1
698–960MHz	R2	3-4	BRxxx.....2R2
1695–2690MHz	Y1	5-6	BRxxx.....3Y1
1695–2690MHz	Y2	7-8	BRxxx.....4Y2
1695–2690MHz	Y3	9-10	BRxxx.....5Y3
1695–2690MHz	Y4	11-12	BRxxx.....6Y4

