

Product Data Sheet

U2L4PX308.10P-2C**XXXXXX Pol Panel Antenna 2×698-960/4×1710-2690MHz 65°/65° 15.5/17.5dBi 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):	14.5±0.5	15.0±0.5	15.5±0.5	17.0±0.5	17.3±0.5	17.6±0.5
Return Loss (dB):	>14 (VSWR<1.5)					
Polarization:	±45°					
Horizontal 3dB Beamwidth (°):	68	63	60	68	65	58
Vertical 3dB Beamwidth (°):	10.0	9.0	8.0	7.5	6.0	5.5
Electrical Downtilt (°):	2-12 Independently Continuously Adjustable					
RET Type:	Cascade SRET, AISG 2.0, Upgradeable					
1 st Upper Sidelobe Suppression (dB):	15	15	15	15	15	15
Front to Back Ratio(dB):	25	25	25	25	25	25
Cross Polar Ratio 0° (dB):	15	15	15	15	15	15
Intraband Isolation (dB):	>25					
Interband Isolation (dB):	>25					
Max. Power Per Port (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):	2000×469×200
Packing Dimensions (mm):	2260×555×290
Antenna Net Weight/Bracket (kg):	36 / 5.9
Antenna Gross Weight (kg):	48
Radome Material:	Fiberglass
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069341, Adjustable Downtilt 0-14°

Environmental Ratings

Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/: 1205 / 267 / 1303
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:	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)

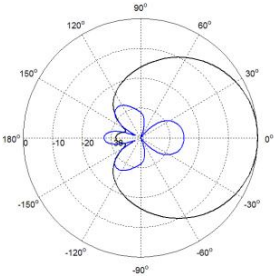


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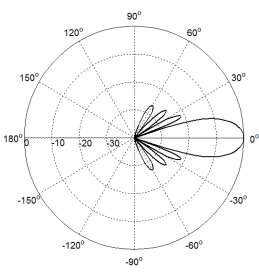
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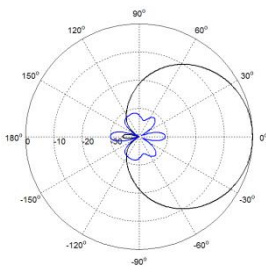
Typical Patterns



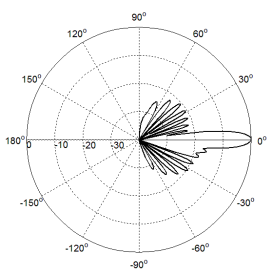
Azimuth(Low band)



Elevation(Low band)



Azimuth(High band)



Elevation(High band)

Correlation Table

Frequency range	Array	Connector	RET S/N
698– 960 MHz	R1	1-2	BRxxx.....1R1
698– 960 MHz	R2	3-4	BRxxx.....2R2
1710–2690 MHz	Y1	5-6	BRxxx.....3Y1
1710–2690 MHz	Y2	7-8	BRxxx.....4Y2
1710–2690 MHz	Y3	9-10	BRxxx.....5Y3
1710–2690 MHz	Y4	11-12	BRxxx.....6Y4

