Product Data Sheet

2LLPX208P-E2-C

XXXX Pol Twin Beam Panel Antenna 2×1710-2690/2×1710-2690MHz 32°/32° 19.5/19.5dBi 2-12° /2-12° MET

Electrical Specifications (BASTA 12.0)

Frequency Range (MHz):	2×1710-2690(Y1,Y3)			2×1710-2690(Y2,Y4)		
	1710-1880	1880-2170	2300-2690	1710-1880	1880-2170	2300-2690
Gain (dBi):	18.5±0.3	18.9±0.5	19.5±0.5	18.1±0.1	18.5±0.3	19.1±0.5
Return Loss (dB):	>14(VSWR<1.5)					
Polarization:	±45°					
Horizontal 3dB Beamwidth (°):	37	36	33	37	36	33
Horizontal Beam Pointing (°) :	-31, +31	-31, +31	-32, +32	-31, +31	-31, +31	-32, +32
Vertical 3dBBeamwidth (°):	9.0	8.0	7.0	9.0	8.0	7.0
Electrical Downtilt (°):	2-12					
1st Upper Sidelobe Suppression(dB):	18	19	20	18	19	20
CPR at Boresight(dB):	18	19	22	18	19	22
Front to Back Ratio (dB):	28	28	27	28	28	27
Polarizations Isolation(dB) :	>28			>28		
Port to port Isolation(dB) :	>25			>25		
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)					
Impedance (ohm):	50					
Max. Power Per Port (W):	250					
Lightning Protection:	DC Grounded					
Connector Type:	8×4.3-10 Female					

Mechanical Data

Antenna Dimensions (mm):	2095×396×190
Packing Dimensions (mm):	2355×480×280
Antenna Net Weight/Bracket (kg):	32/5.9
Antenna Gross Weight (kg):	43
Radome Material:	Fiberglass
Radiator Material:	Aluminum Alloy
Reflector Material:	Aluminum Alloy
Pipe OD (mm):	50-115
Mounting Kits (Included):	BA.K.04.00069121, Adjustable Downtilt 0°-14°

Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃):	-40～+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside:938/267/1233
Max. Wind velocity(km/h):	200

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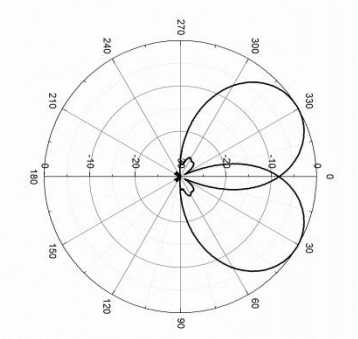
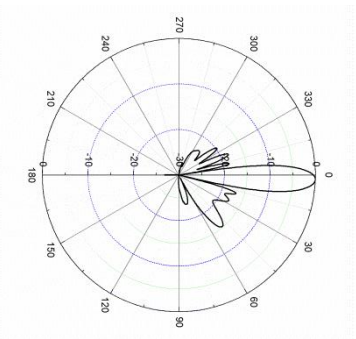
Typical Patterns



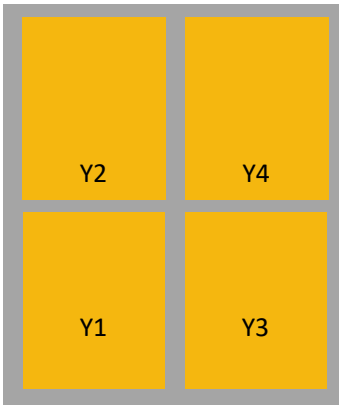
Azimuth



Elevation

Correlation Table

Frequency range	Array	Connector
1710–2690 MHz	Y1	1-2
1710–2690 MHz	Y2	3-4
1710–2690 MHz	Y3	5-6
1710–2690 MHz	Y4	7-8



Safety and environmental standards: Antennas comply with RoHS 2011/65/EU standards and EN 60950-1, EN 60950-22.

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