Product Data Sheet

LLVVNNPX202F0-4P-N

XXXXXX Pol Panel Antenna 2x1710-2700/2x3300-3800/2x4800-5000MHz 33° /33° /33° 12/12/12dBi 0° FET

Electrical Specifications

Frequency Range (MHz):	1710-2700(Y1,Y2)		3300-3800(P1,P2)	4800-5000(O1,O2)
	1710-2170	2170-2700	3300-3800	4800-5000
Gain (dBi):	11±0.5	11.5±0.5	11.5±0.5	11.5±0.5
Return Loss (dB):	>11.7 (VSWR<1.7)			
Polarization:	±45°			
Horizontal 3dB Beamwidth(°):	35±6	30±5	30±5	28±5
Vertical 3dB Beamwidth(°):	35±6	30±5	30±5	28±5
Electrical Downtilt(°):	0 Fixed			
Front to Back Ratio (dB):	25		20	20
Vertical Sidelobe Suppression(dB):	≥18		≥18	18
Horizontal Sidelobe Suppression(dB):	≥18		≥18	18
CPR at Boresight	≥17		≥17	17
Isolation(dB):	>25			
Max. Power Per Port (W):	200		200	100
Intermodulation IM3 (dBc):	<-150(2×43 dBm)			/
Impedance (ohm):	50			
Lightning Protection:	DC Grounded			
Connector Type:	4×N Female			

BASTA Electrical Specifications

Frequency Range(MHz):	1710-2700	3300-3800	4800-5000
Average Gain by all Beam Tilts(dBi):	12.5	12.3	11.5
Gain by all Beam Tilt Tolerance(dB):	±0.6	±0.6	±0.5
Average Gain by Beam Tilt (dBi):	0° |12.5	0° |12.3	0° |11.5
Horizontal Beamwidth Tolerance(°):	±4	±3	±2
Vertical Beamwidth Tolerance(°):	±3.5	±3.3	±3.2
USLS beampeak to 20° above beampeak(dB):	21.04	23.87	19.75
Front to back Total Power at 180° ± 30°(dB)	27.8	29.13	25.25
CPR at Boresight(dB):	23.7	27.74	23.30

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

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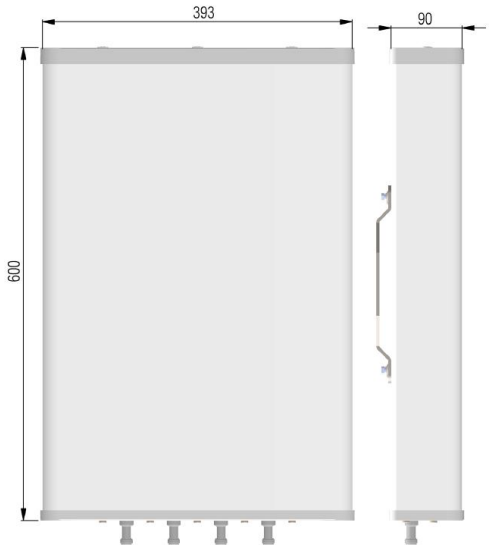
Mechanical Data

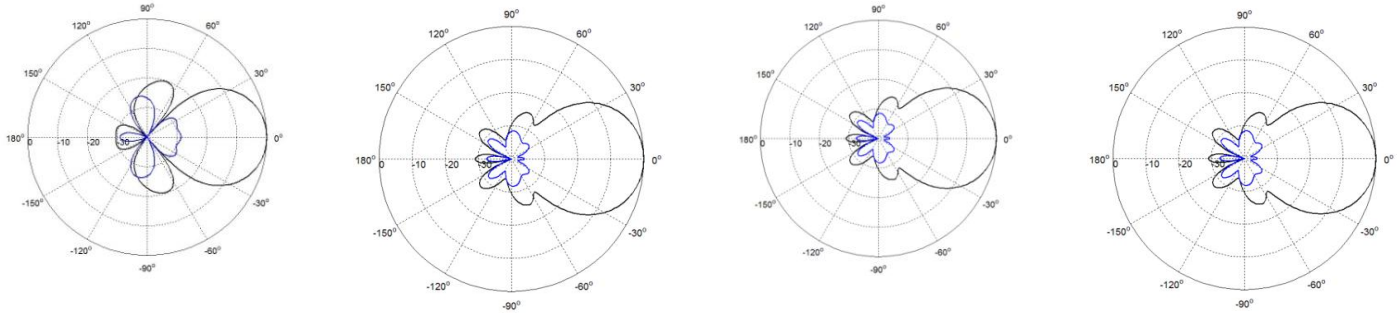
Antenna Dimensions (mm):	600×393×90
Packing Dimensions (mm):	955×460×189
Antenna Net Weight/Bracket(kg):	8.1/6.2
Antenna Gross Weight (kg):	16.4
Radome Material:	Fiberglass
Pipe OD (mm):	70-114
Mounting Kits (Included):	BA.K.04.00048RA2, Horizontal adjustabie ±45° Vertical adjustable ±45°



Environmental Ratings

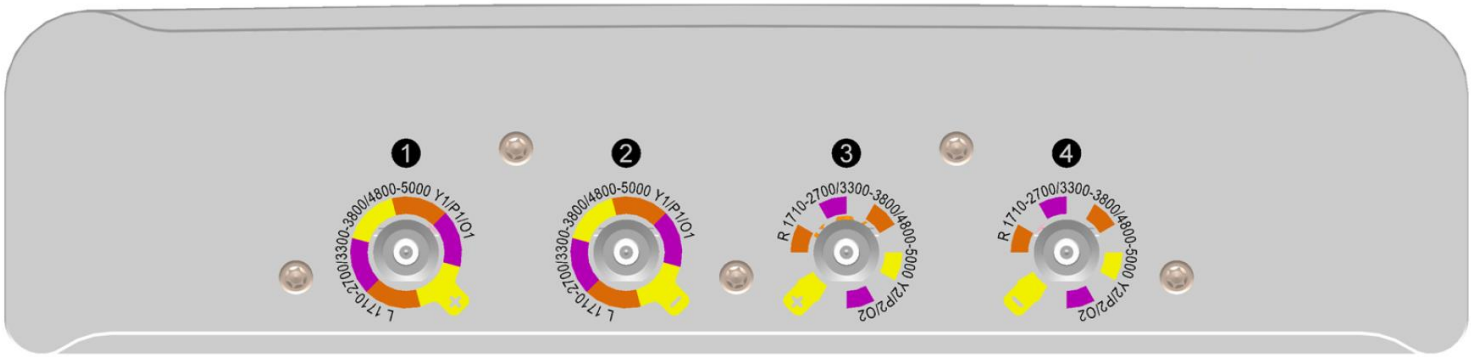
Humidity:	95%RH@+30℃
Temperature (℃):	-40～+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 266/22/314
Max. Wind velocity(km/h):	200

Typical Patterns



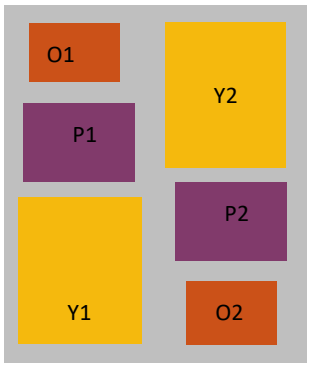
Azimuth(Low Band) Elevation(Low Band) Azimuth(High Band) Elevation(High Band)

Bottom View



Correlation Table

Frequency range	Array	Connector
1710–2700 MHz	Y1	1-2
1710–2700 MHz	Y2	3-4
3300–3800 MHz	P1	1-2
3300–3800 MHz	P2	3-4
4800–5000 MHz	O1	1-2
4800–5000 MHz	O1	3-4



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