

XX Pol Panel Antenna Built-in Diplexer 698-960/1710-2690MHz 65° /65° 8/11dBi 0° /0° FET

Electrical Specifications

Frequency Range (MHz):	698-960			1710-2690		
	698-806	806-880	880-960	1710-1920	1920-2170	2490-2690
Gain (dBi):	7.5	7.5	7.5	9.5	10.5	11.5
Return Loss (dB):	>14 (VSWR<1.5)					
Polarization:	±45°					
Horizontal 3dB beamwidth (°):	69	67	65	70	65	58
Vertical 3dB beamwidth (°):	70	70	65	37	34	26
Electrical Downtilt (°):	0 Fixed					
1 st Upper Sidelobe Suppression(dB):	14					
Front to Back Ratio @180±30°(dB):	20					
Cross Polar Ratio 0° (dB):	15					
Cross Polar Ratio ±30° (dB):	10	8	6	6	4	2
Isolation Port to Port (dB):	>25			24		
Max. Power Per Port (W):	100					
Intermodulation IM3 (dBm):	<-107 (2×43 dBm)					
Impedance (ohm):	50					
Lightning Protection:	DC Grounded					
Connector Type:	2×7/16 DIN Female					

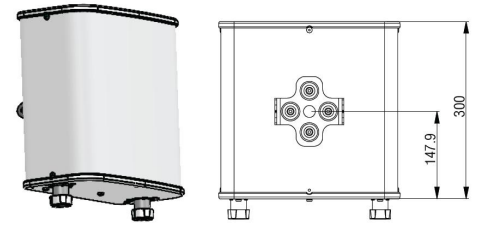
BASTAElectrical Specifications

Frequency Range(MHz):	698-806	806-880	880-960	1710-1920	1920-2170	2490-2690
Average Gain by all Beam Tilts (dBi):	7.5	7.3	7.6	9.4	10.4	11.2
Gain by all Beam Tilts Tolerance(dB):	0.8	0.5	0.7	1	0.5	0.5
Average Gain by Beam Tilt (dBi):	7.5	7.3	7.6	9.4	10.4	11.2
Horizontal Beamwidth Tolerance(°):	6	5	5	14	12	8
Vertical Beamwidth Tolerance(°):	10	8	5	5	4	3
USLS beampeak to 20° above beampeak(dB):	20			18		
Front to back Total Power at 180° ± 30°(dB):	19.5			21.5		
CPR at Boresight(dB):	18			20		
CPR at Sector(dB):	9.5			2		

ULPX301.2F0-V1-2P

Mechanical Data

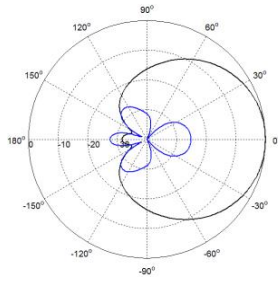
Antenna Dimensions (mm):	300×300×150
Packing Dimensions (mm):	507×420×253
Antenna Net Weight /Bracket (kg):	3.51/1.45
Antenna Gross Weight (kg):	6.95
Radome Material:	PVC
Pipe OD (mm):	30-50
Mounting Kits (Included):	BA.K.04.00052, horizontal adjustable -35°~+35°, vertical adjustable-45°~+45°



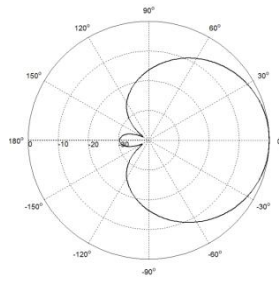
Environmental Ratings

Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 142/40/178
Max. Wind velocity(km/h):	200

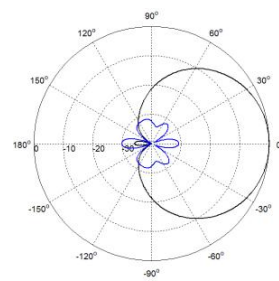
Typical Patterns



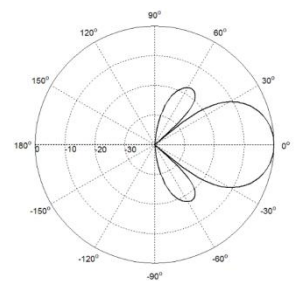
Azimuth(Low Band)



Elevation(Low Band)

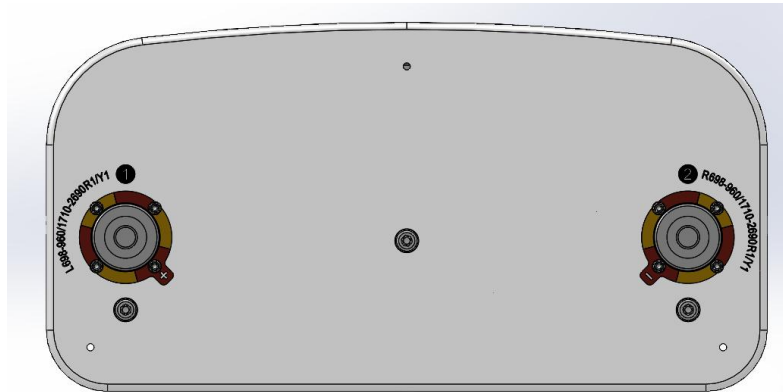


Azimuth(High Band)



Elevation(High Band)

Bottom View



Correlation Table

Frequency range	Array	Connector
698-960 MHz	R1	1-2
1710- 2690 MHz	Y1	1-2

