

XX Pol Panel Stadium Antenna 2×1710-2690MHz 50° 10dBi 0° FET

Electrical Specifications

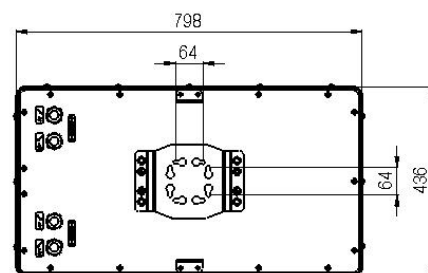
Frequency Range (MHz):	1710-2170	2300-2690
Gain (dBi):	10.0	11
Return Loss (dB):	>14 (VSWR<1.5)	>14(VSWR<1.5)
Polarization:	±45°	±45°
3dB($\varphi=0^0$) Horizontal Beamwidth (°):	51	38
20dB($\varphi=0^0$) Horizontal Beamwidth (°):	85	63
3dB($\varphi=90^0$) Vertical Beamwidth (°):	53	39
20dB($\varphi=90^0$) Vertical Beamwidth (°):	86	65
Electrical Downtilt (°):	0	0
Front to Back Ratio at 180±30° (dB):	28	28
CPR at Boresight(dB):	18	18
Isolation Port to Port (dB):	>25	
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)	
Max. Power Per Port (W):	100	
Impedance (ohm):	50	
Lightning Protection:	DC Grounded	
Connector Type:	4×7/16 DIN Female	

BASTA Electrical Specifications

Frequency Range(MHz):	1710-2170	2300-2690
Average Gain by all Beam Tilts(dBi): (dBi):	9.0	11.0
Gain by all Beam Tilts Tolerance(dB):	±1.0	±1.0
3dB Horizontal Beamwidth Tolerance(°):	±4.8	±3.0
20dB Horizontal Beamwidth Tolerance(°):	±10.1	±5.2
3dB Vertical Beamwidth Tolerance(°):	±4.6	±2.8
20dB Vertical Beamwidth Tolerance(°):	±10.3	±4.5
USLS beampeak to 90° above beampeak(dB):	18.5	18.1
USLS beampeak to 90° above beampeak(dB):	18.2	17.8
Front to back Total Power at 180° ± 30° (dB)	30.4	31.2
CPR at Boresight(dB):	18.3	17.6

Mechanical Data

Antenna Dimensions (mm):	798×436×110
Packing Dimensions (mm):	1110×505×235
Antenna Net Weight/Bracket (kg):	12.1/6.2
Antenna Gross Weight (kg):	20.6
Radome Material:	ASA UV Resistant
Pipe OD (mm):	70-114
Mounting Kits (Included):	BA.K.04.00048, Horizontal Adjustable Downtilt ± 45° Vertical Adjustable Downtilt ± 45°

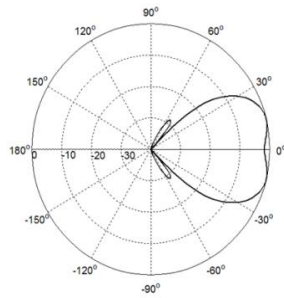


Environmental Ratings

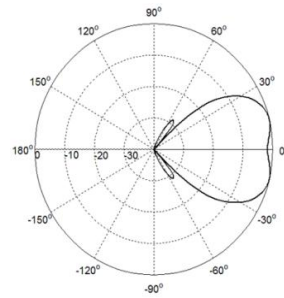
Humidity:	95%RH@+30°C
Temperature (°C):	-40~+70
Wind Load @150 km/h (N):	Frontal/Lateral/Rearside: 590/57/647
Max. Wind velocity(km/h):	200



Typical Patterns



Azimuth



Elevation

Correlation Table

Frequency range	Array	Connector
1710-2690 MHz	Y1	1-2
1710-2690 MHz	Y2	3-4

