

Product Data Sheet

LPX0505F-V1



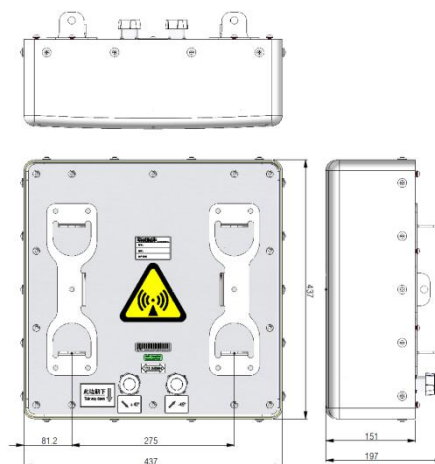
X Pol Panel Stadium Antenna 1710-2690MHz 50° 11dBi 0° FET

Electrical Specifications

Frequency Range (MHz):	1710-2170	2300-2690
Gain (dBi):	10.0±0.5	11±0.5
Return Loss (dB):	>12.7 (VSWR<1.6)	>12.7 (VSWR<1.6)
Polarization (°):	±45	±45
3dB($\varphi=0^\circ$)Horizontal Beamwidth (°):	53	42
20dB($\varphi=0^\circ$)Horizontal Beamwidth (°):	87	67
3dB($\varphi=90^\circ$)Vertical Beamwidth (°):	53	42
20dB($\varphi=90^\circ$)Vertical Beamwidth (°):	87	67
Horizontal Sidelobe Suppression (dB):	18 (Typ.)	16 (Typ.)
Vertical Sidelobe Suppression (dB):	18 (Typ.)	16 (Typ.)
Electrical Downtilt (°):	0 Fixed	0 Fixed
Front to Back Ratio at 180±30° (dB):	25	25
CPR at Boresight(dB):	18	18
Isolation Port to Port (dB):	25	25
Intermodulation IM3 (dBc):	<-150 (2×43 dBm)	
Max. Power Per Port (W):	100	
Impedance (ohm):	50	
Lightning Protection:	DC Grounded	
Connector Type:	2×7/16 DIN Female	

Mechanical Data

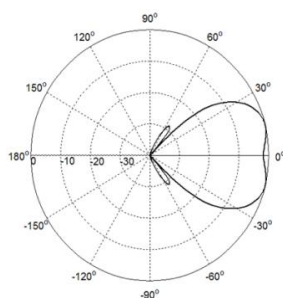
Antenna Dimensions (mm):	437×437×151
Packing Dimensions (mm):	604×506×223
Antenna Net Weight/Bracket (kg):	10.5/5.9
Antenna Gross Weight (kg):	19
Radome Material:	Fiberglass
Pipe OD (mm):	70-114
Mounting Kits (Included):	BA.K.04.00006 , Adjustable Downtilt 0-15°



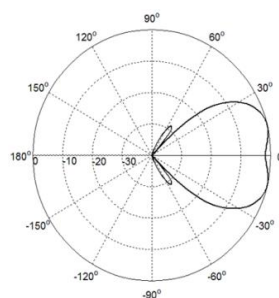
Environmental Ratings

Humidity:	95%RH@+30 °C
Temperature (°C):	-40 ~ +70
Wind Load @150 km/h (N):	Frontal/Lateral/ Rearside: 331/58/363
Max.Wind velocity(km/h):	200

Typical Patterns



Azimuth



Elevation

