

Type LC114-1AC1E1AY1AZ1BP-0R30

16-Port Cylinder 885-960/1710-1830/1880-1920/2010-2025/4x2515-2675 13/14/15/15/16dBi, 1 beam, 48/32/30/26/24-degree Antenna

Electrical Specifications

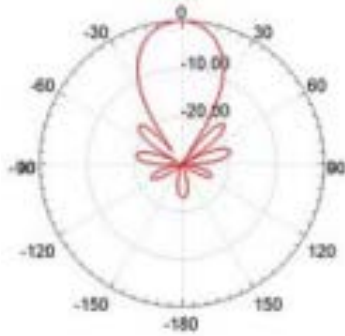
Frequency range (MHz)	885-960	1710-1830	1880-1920	2010-2025	2515-2675
Polarization	± 45				
Gain (dBi)	≥ 13	≥ 14	≥ 15	≥ 15	≥ 16
Sidelobe Suppression (dB)	≥ 14	≥ 14	≥ 14	≥ 14	≥ 14
Horizontal Plane 3dB Beamwidth ($^\circ$)	48 ± 5	32 ± 2	30 ± 2	26 ± 2	24 ± 2
Vertical Plane 3dB Beamwidth ($^\circ$)	48 ± 5	32 ± 2	30 ± 2	26 ± 2	24 ± 2
Horizontal beam centers ($^\circ$)	0				
Beam Quantity	1				
VSWR	≤ 1.5				
Isolation Between Polarization (dB)	≥ 25				
Front to Back Ratio (dB)	≥ 22	≥ 25	≥ 25	≥ 25	≥ 25
Intermodulation IM3 dBc (2x43dBm)	≤ -150				
Power Rating (W)	12 x 180W				
Input Impedance (Ω)	50				
Lighting Protection	DC Ground				



Mechanical Specifications

Radome Material	UPVC
Connector Type and Location	6*4.3-10-Female +2* Cluster Male Bottom
Mechanical Downtilt ($^\circ$)	0-12
Dimensions, HxWxD (mm)	1535x400x400
Packing Size (mm)	1860x650x690
Net Weight (Kg)	27
Gross Weight (Kg)	32
Clip Weight (Kg)	2.71
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	$\varnothing 40 \text{ mm} \sim \varnothing 114 \text{ mm}$
Operational Temperature($^\circ\text{C}$)	-40 to +70
Operational Humidity (%)	<95

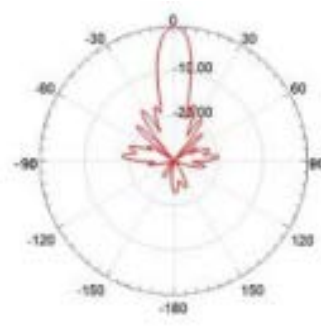
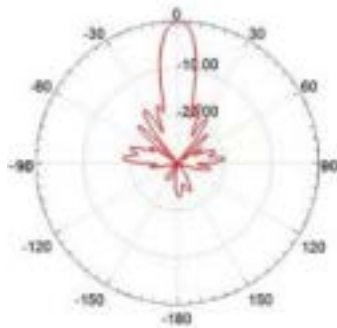
Radiation Pattern (885-960 MHz)



Horizontal Pattern

Vertical Pattern

Radiation Pattern (1710-1830 MHz/1880-1920MHz/2010-2025MHz/2515-2675MHz)



Horizontal Pattern

Vertical Pattern