

Type LSD20-2BA2AC2E4BQ-0R35

20-Port Spherical 2x703-798/2x885-960/2x1710-1830/4X1850-2025 20dBi, Deca beam, 40/35/35/15degree Antenna

Electrical Specifications

Frequency range (MHz)	885-960	1710-1830	1880-1920	2010-2025
Polarization	±45			
Gain (dBi)	12±1	13±1	16±1	19±1
Sidelobe Suppression (dB)	13	13	13	13
Horizontal Plane 3dB Beamwidth (°)	40±3	35±3	38±5	15±1
Horizontal Plane 10dB Beamwidth (°)	70±5	70±5	55±3	27±2
Vertical Plane 3dB Beamwidth (°)	43±5	35±3	17±2	15±1
Vertical Plane 10dB Beamwidth (°)	70±5	70±5	30±3	27±2
Horizontal beam centers (°)	-33, +33	-35, +35	-25, +25	-38, -14, +14, +38
Beam Quantity	4			
VSWR	≤1.5			
Isolation Between Polarization (dB)	≥25			
Isolation Between Polarization 0° (dB)	≥20			
Front to Back Ratio (dB)	≥22	≥23	≥25	≥25
Intermodulation IM3 dBc (2×43dBm)	≤-150			
Power Rating (W)	12 x 40W			8 x 20W
Input Impedance (Ω)	50			
Lighting Protection	DC Ground			

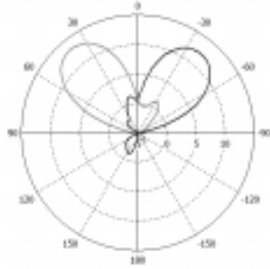


Mechanical Specifications

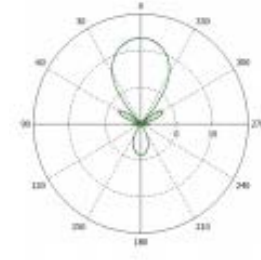
Radome Material	UPVC
Connector Type and Location	12*4.3-10-Female, 2*4-Core bundle Bottom
Mechanical Downtilt (°)	0-20
Dimensions, HxWxD (mm)	850 × 645 × 850
Packing Size (mm)	925 × 865 × 1035
Net Weight (Kg)	26
Gross Weight (Kg)	42
Clip Weight (Kg)	5.8
Max. Wind Velocity(m/s)	55
Mounting hardware Diameter (mm)	∅ 40 mm ~ ∅ 114 mm
Operational Temperature(°C)	-40 to +70
Operational Humidity (%)	<95

Frequency Range	2x703-798 2x885-960 2x1710-1830 4x1850-2025
Polarization	$\pm 45^\circ$
Horizontal Beam Center	Deca Beam
Half-Power Beam Width	35°

Radiation Pattern (703-798 MHz)

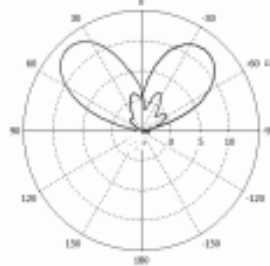


Horizontal Pattern

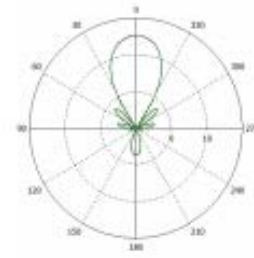


Vertical Pattern

Radiation Pattern (885-960MHz)

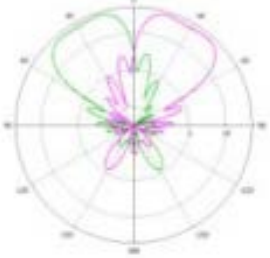


Horizontal Pattern

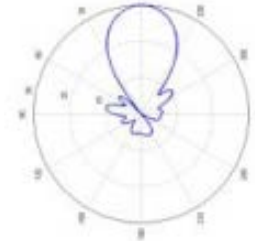


Vertical Pattern

Radiation Pattern (1710-1830MHz)

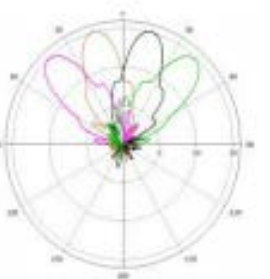


Horizontal Pattern

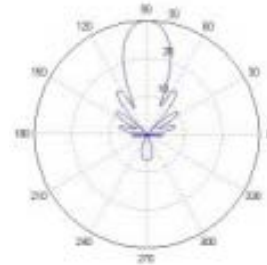


Vertical Pattern

Radiation Pattern (1880-2025MHz)



Horizontal Pattern



Vertical Pattern