ADB-LCP

Low Power Sidemount Antenna

Product Description

The ADB-LCP is a low power antenna designed specifically for Omni-Directional low power applications such as LPFM, Translator and Booster stations. The simplicity of the ADB-LCP helix design gives low power stations the flexibility needed to meet their individual requirements. It offers stainless steel construction. A stacking harness is included when multiple bay arrays are ordered. The ADB-LCP is field tunable from 88 to 108 MHz. The antenna features: VSWR 1.5:1 or better. Standard 500 watt input rating with 1kW & 2 kW available. Provided for 2" OD pole mount. Optional special brackets available, contact factory.

# of Bays	Gain (Times)	Gain (dB)	Input Size 500 Watts	Input Size 1000 Watts	Input Size 2000 Watts	Net Weight	Wind load (lbs)
1	0.46	-3.37	Type "N"	7-16 DIN	Not Available	Contact Factory	
2	0.955	-0.02	Type "N"	7/8" EIA	7/8" EIA		
3	1.5	1.76	Not Available	7/8" EIA	7/8" EIA		
4	2.05	3.12	Type "N"	7/8" EIA	7/8" EIA		
5	2.55	4.06	Not Available	7/8" EIA	7/8" EIA		
6	3.07	4.87	Not Available	7/8" EIA	7/8" EIA		
8	4.1	6.12	Not Available	7/8" EIA	7/8" EIA		

*All stated gains are Peak gains. Gains do not include losses for feed system, beam tilt or null fill.

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Notes:

1. Weights and windloads contact factory.
2. Feed points, when end fed, 3ft/0.91m below bottom bay; 8ft/2.43m below center feed.
3. All inputs EIA flange or Type "N" or 7-16 DIN
4. Maximum input power ratings: ADB-LCP 500, optional to 2kW
5. Power derating occurs over 2,000ft/609.6m elevation
6. Power and dB gains are typical for circular components
7. Free space azimuth circularity is ±1.0 dB
8. Custom mounting brackets available; standard to 3"/76.2mm OD pipe or round tower leg
9. Power gain is based on half-wave dipole in free space
10. Weights and wind loads calculated at 50/33 PSF, 112 MPH wind speed, no ice
11. Weights and wind loads to not include reflectors, where used.

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation, Alan Dick Broadcast Ltd. cannot accept any responsibility in this matter. The station must examine and determine its status based on each individual situation. For reduced low angle radiation near the tower, a low RFR model of this antenna is available. Contact the factory for pricing data and further details.

*All specifications are subject to change without notice.