

UHF WIDEBAND ANTENNA 470-870 MHz WITH INTEGRATED BOOSTER



LBNA2/LNNA2 is a wideband UHF antenna LPDA (log periodic dipole Array). It enhances reception providing approx. 6dB gain with a typical beam-width of 90 degrees.

Antenna Data

- Dimension: 336 mm L x 276 mm H x 61 mm H
- Material: Epoxy fiberglass (copper – clad)
- Finishing: Black matte
- Mounting: 5/8" Withworth or 3/8" with adapter
- Weight: 560g

Booster Specifications

- Frequency : 470 ÷ 960 MHz (rev.4); 470 ÷ 870 MHz (previous rev.)
- Input/output impedance : 50 ohm (SWR = < 1:1.5; typ. = 1:1.4)
- Connectors : BNC-female type (for LBNA2), N-female type (for LNNA2)
- Gain (max) : 0÷16 dB, selectable in step of 1 dB (+/- button)
- OIP3 : **+43 dBm (Output 3° order Intercept Point) typical**
- Gain flatness : ± 1 dB, in the whole working window
- Powering : +12 V, 100mA

Typical attenuation of most used coax. cables (100 m):

| Cable type | Diameter (mm) | Attenuation @ 400 MHz | Attenuation @ 900 MHz |
|-------------------------------|---------------|-----------------------|-----------------------|
| RG 58 C/U | 4.95 | 32 dB | 52 dB |
| RG 213 /U | 10.3 | 13 dB | 22 dB |
| RG 218 /U | 22.1 | 7 dB | 14 dB |
| Cellflex - ¼" foam dielectric | 8.8 | 8.4 dB | 12.8 dB |