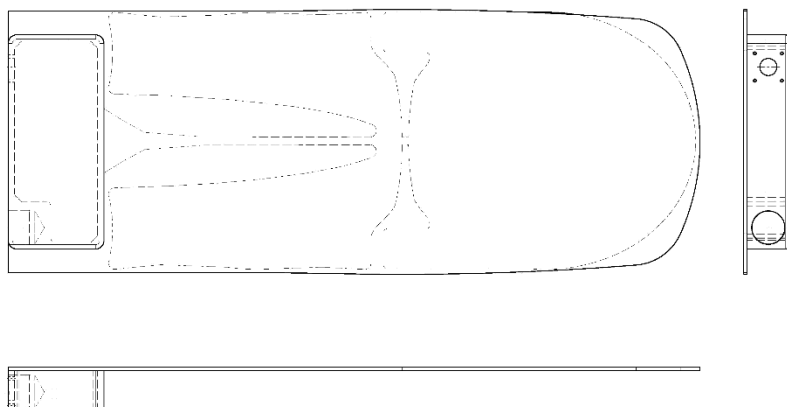


OMNIDIRECTIONAL WIDEBAND ANTENNA 400-930 MHz



AND/ADNA is a wideband UHF omnidirectional antenna. It enhances reception providing approx. 3.2 dBi gain. Booster version (ADNA) gains up to 18dB in 1 dB step.

Antenna Data

- Material: epoxy fiberglass (copper – clad)
- Finishing: black matte
- Mounting: 5/8" with worth or 3/8" with adapter
- Weight: 300g (ADNA), 235g (ADB), 285g (AND)

Specifications

- Frequency : ADN (400 ÷ 930 MHz)*, ADNA (470 ÷ 800 MHz)*
- Input/output impedance : 50 ohm
- SWR : < 1:1.5 in the range 470 ÷ 800 MHz
: < 1:1.9 in the range 400 ÷ 930 MHz
- Connectors : N type (BNC adapter available)
- Booster Gain (max) : 0÷18 dB (typical), selectable in step of 1 dB (+/- button).
- OIP3 : **+43 dBm (Output 3° order Intercept Point) typical.**
- Booster Gain flatness : ± 1 dB, in the whole working window.
- Powering : 145mA@12V (typical), 160mA@12V (max)

* NOTE: If you bypass the amplifier the range of the ADNA will increase to 400-930 MHz

Typical attenuation of most used coax. cables (for length = 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 - 1/4" foam dielectric	8.8	8.4 dB	12.8 dB

