

Adaptive Manpack VHF / UHF Antenna

TA30512B

The TA30512B is an active wideband manportable antenna for the 30 to 520 MHz frequency band. This low profile antenna can be tuned via RF connector to use the optimum matching circuitry at the required frequency. It thus provides superior gain performance over traditionally matched wideband antennas. Its extremely fast tuning ability (based on PIN diode switching technology) makes the antenna suitable for most of the modern SDRs.

- Low profile antenna with superior gain performance - Gives up to 10dB better gain compared to a traditional passively matched antenna of same size
- Fast tuning to a new frequency band allows the antenna to be used in different kind of applications
- Supports also very wide transmission bandwidths
- Control integrated to the N-type connector



Product details*	
Frequency range	30 - 520 MHz
Matching	PIN diode based active matching
Polarization	Nominally vertical
Antenna type	Monopole (ground plane required)
Radiation pattern	Omnidirectional
Gain	Measured patterns on request
VSWR	≤ 3.5 (on tuned band)
Nominal Impedance	50 Ω
Power rating	10 W (RMS)
Power supply	10-12 VDC Maximum <1W (transmit mode), <<0.1W (receiving mode)
Tuning speed	< 30 μs
Standard color	Black
Radiator	Upper part: Foldable tape Lower part: Aluminium alloy with fibre glass
Height	450 mm
Weight	200g

Installation*	
RF connection	Male N-type connector
Power and control	Via N-type connector*

* More information on request

Order number	
TA30512B	Antenna as described above
TA30512B-CE	Antenna with external control interface (see separate data sheet)

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