

**OBA3** is a small size omni-directional dual-band antenna. It was designed as a solution for full duplex radio systems which require a single antenna with a unique connector, at two different frequencies; 870 MHz and 1370 MHz.

Practically, **OBA3** is used as an on board antenna for remote control and telemetry in data link system: aerial target, UAV, terrestrial robotics, unmanned camera and binoculars, general video surveillance.

When used on board for a data link, **OBA3** can be associated with EPA21 high gain antenna to increase the range of the communication if needed.

In option, this antenna can be supplied with adequate duplexer, LNA and Power Amplifier.

## SPECIFICATIONS

### Electrical Data

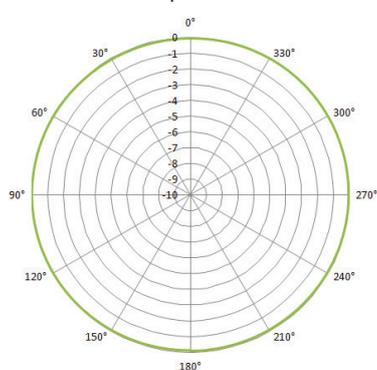
Frequency range	865 - 874 MHz 1350 - 1426 MHz Other frequencies upon request
Input impedance	50 Ω
VSWR	< 1.7:1
Maximum input power	50 W
Peak gain	> 2 dBi
Radiation pattern	Omni-directional in azimuth
Polarization	Vertical

### Mechanical Data

Connector	N female
Material	U.V. stabilized and flame retardant ABS, aluminum base plate
Color	Black or other upon request
Weight	157 gr
Dimensions	Height: 95 mm (3.74") Surface: 105mmx105mm (4.13")
Operating temperature	- 25 °C to + 70 °C (- 13°F to + 158°F)
Relative humidity	0% to 100%
Ingress protection	IP 65



H-plane



E-plane

