

Echo-N UHF RFID Nearfield Antenna

Art. no.:
22003172



- Locally limited UHF field
- Inductive Coupling
- Compact IP65 Housing

Echo-N UHF RFID Nearfield Antenna

The Echo-N is a true UHF RFID nearfield antenna for the European frequency range of 868 MHz. The antenna has no real far-field which minimizes false reads due to unplanned reflections. Even when operating several systems near each other disturbances are minimal.

The compact housing dimensions are 102 x 85 x 25 mm (plus the antenna connector at the bottom). This connector is a robust R-TNC connector. The housing is IP65 (water and dustproof).

In the back, the housing is closed by a solid aluminum plane which shields the antenna against unwanted influences from the surrounding environment. The plane has riveted threads that can be used to mount the antenna with the matching mount.

Metrattec GmbH
Niels-Bohr-Str. 5
39106 Magdeburg, Germany
T: +49 (0)391 251906-00
Mail: sales@metrattec.com
www.metrattec.com

US Office
Metrattec USA
6 Liberty Square #2073
02109 Boston, MA, United States
T: +1 (857) 799-3795
Mail: us@metrattec.com



Echo-N UHF RFID Nearfield Antenna

Art. no.:
22003172



Technical Specification

Operating Principle	UHF RFID Nearfield Antenna
Operating Frequency	868 MHz (UHF RFID, Europe)
Bandwidth	861 - 870 MHz
Polarization	none (only near-field)
Antenna Gain	approx. -20 dB
3 dB Angular Width	n.a.
Impedance	50 Ohm
Antenna Connector	R-TNC
Ingress Protection	IP65
Dimensions	90 x 105 x 30 mm (without connector)

About Metratec

Metratec develops, produces and sells Radio electronics for the areas of "Identification", "Localization", and "Communication" and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.

