

Echo-5P UHF RFID Patch Antenna

Art. no.:
22002005



- Wide Beam Width (100°)
- Compact IP65 Housing



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The Echo-5P is one of the most compact circular UHF RFID antennas currently available on the market. With approx. 5 dBic. Antenna gain and an aperture angle of approx. 100°, the antenna is allowed to operate in Europe with 500mW ERP, allowing reading ranges up to approx. 3m.

The dimensions of the functional housing are only 90 x 105 x 30 mm (plus R-TNC connector on the bottom side). The product itself is water and dust-proof (IP65) and can therefore be used in almost any situation.

The antenna can be screwed directly to a wall via the two mounting holes. Alternatively, a wall mount is also available, which offers even more degrees of freedom when aligning the antenna.



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Technical Specification

Operating Principle	Circular Polarized UHF RFID Patch Antenna
Operating Frequency	868 MHz (UHF RFID, Europe)
Bandwidth	850 - 880 MHz
Polarization	RHCP
Antenna Gain	approx. 5 dBi circ.
3 dB Angular Width	approx. 100°
Impedance	50 Ohm
Antenna Connector	R-TNC
Ingress Protection	IP65
Temperature Range	-20 °C to +75 °C
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.

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