

## Echo-6P UHF RFID Antenna

Art. no.:  
22001521



- 6.5 dBic Antenna Gain
- Compact IP65 Housing
- VESA Mount

### Echo-6P UHF RFID Antenna

The Echo-6P is a compact circular UHF RFID antenna for the European frequency range of 868 MHz. With an antenna gain of 6.5 dBic and an opening angle of approx. 84° you can operate this antenna with up to 33 dBm ERP. This will give you a read range of 6-12 m with standard UHF transponders.

The dimensions of the compact housing are 160 x 165 x 30 mm (plus the R-TNC antenna connector at the bottom). The housing is IP65 rated (dust and waterproof).

In the back, the housing is closed by a solid aluminum plane that shields the antenna against unwanted influences from the surrounding environment. The backplane has riveted threads that can be used to mount the antenna with any 100 x 100 mm VESA-compatible mount.



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### Technical Specification

Operating Principle	Circular Polarized UHF Patch Antenna
Operating Frequency	868 MHz (UHF RFID, Europe)
Bandwidth	850 - 880 MHz
Polarization	RHCP
Antenna Gain	approx. 6.5 dBi circ.
3 dB Angular Width	approx. 84°
Impedance	50 Ohm
Antenna Connector	R-TNC
Ingress Protection	IP65
Dimensions	160 x 165 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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