

UHF RFID Antenna
Circular Polarisation
Half-power Beam Width

865-870
C
68°

KATHREIN
Antennen · Electronic

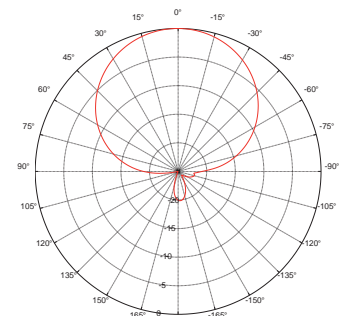
For indoor and outdoor use

Optimised for RFID far field applications

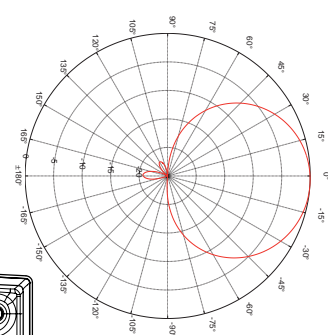
Type No.	00343
Frequency range	865-870 MHz
Polarization	circular
Gain	8.4 dBic
Half-power beam width (3 dB) (if mounted like picture)	68° vertical 70° horizontal
Axial ratio	< 2 dB
VSWR	< 1,2:1
Impedance	50 Ω
Front-to-back ratio	> 22 dB
Maximum radiated power (ETSI EN 302 208)	2 W ERP
Connection	TNC (female)
Protection class	IP 54/ESD at EN 50083-2
Weight	1100 g
Dimensions (W x H x D)	243 x 290 x 85 (60 without bracket) mm
Packing size	290 x 300 x 65 mm



Horizontal radiation pattern



Vertical radiation pattern



Material:
Reflector screen: Aluminium
Radome: High impact polystyrene
Colour: White
Mounting brackets: Steel zinc coated

Mounting:
Four M5 tapped holes in back cover or two 6.6 mm diameter holes in the mounting bracket.
Max. coupling torque for: - the TNC connector: 0.6 Nm
- M5 mounting screws: 1.8 Nm (± 0.2 Nm)

Mechanical view:

