



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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i-scan[®] UHF

UHF antenna

ID ISC.ANT.U250/250-EU
ID ISC.ANT.U250/250-FCC



The UHF antennas ID ISC.ANT.U250/250-EU/-FCC are circular polarized antennas for operating frequencies in the UHF ranges 865-870 MHz (EU antenna) and 902-928 MHz (FCC antenna).

So the antenna can be used for UHF applications within both released UHF ranges in Europe (865-870 MHz) as well as in North America (902-928 MHz).

Features:

- Best performances in each frequency range by specifically optimized EU- and FCC antenna
- Two antenna cables available (2 m and 6 m)
- Mounting set for easy installation available

Short description and technical information

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Due to an integrated multiplexer, the long range readers of the OBID *i-scan*[®] UHF family can be connected with up to four UHF antennas.

Due to the antennas' circular polarization, transponders can be identified in two different orientations (E plane / H plane).

Installation



Technische Daten

Housing	Plastic
Dimensions (WxHxD)	260 x 260 x 56 mm
Weight	approx. 1050 g
Color	white (similar RAL9018)
Protection class	IP 54
Operating frequency	
EU antenna	865 - 870 MHz
FCC antenna	902 - 928 MHz
Gain	
EU antenna	8,3 dBic @ 866 MHz
FCC antenna	8,7 dBic @ 915 MHz
3 dB beam width	
- E plain	65°
- H plain	65°
Polarization	circular
VSWR	< 1,5 : 1
Antenna connection	SMA socket (50 Ohm)
Temperature range	
- operation	-25°C up to 55°C
- storage	-25°C up to 85°C

Information about the mounting set ID ISC.MS.ANT.U250/250:

Maximum clamping range	30 - 60 mm
Material	Aluminium, steel-galvanized
Weight	380 g
Orientation	changeable in three directions

10/05

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