



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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## HF Loop Antenna ID ISC.ANT310/310



### FEATURES

- Transmission power up to 8 W
- Protection class IP65
- Useful in many ways with several HF readers
- Manual alignment electronics for optimal adjustment to different surrounding conditions



## SHORT DESCRIPTION

HF Antenna ID ISC.ANT310/310-A is distributed, already adjusted for most applications ex works. By means of jumpers the antenna can be adjusted to changing surrounding conditions, optimally.

Typical applications for the antenna are libraries, document tracking, video shops, logistics at conveyor belts or sorting systems, access control and industrial data acquisition. The antenna can be employed in indoor- and outdoor use (IP65).

With a maximum transmitting power of up to 8 W, the antenna can be operated with several HF readers by FEIG ELECTRONIC. Due to the used reader, read ranges of up to 70 cm can be realized.



## ORDER DESCRIPTION

ID ISC.ANT310/310      HF Antenna

## TECHNICAL DATA

Dimensions (B x H x T)	318 mm x 338 mm x 30 mm
Weight	approx. 700 g
Housing	Plastic ASA
Color	white
Protection class	IP 65
Temperature range	
- Operation	- 25 °C up to 55 °C
- Storage	- 25 °C up to 60 °C
Relative air humidity	5...95 % (non-condensing)
Operating frequency	13.56 MHz
Maximum transmitting power	8 W
Admissible transmitting power	
EU (REC 70-03 An. 9F1)*	8 W
EU (EN 300 330)	4 W
USA (FCC Part 15)	4 W
Read ranges	
1.0 W transmitting power <sup>1</sup>	43 cm**
4.0 W transmitting power <sup>2</sup>	60 cm**
8.0 W transmitting power <sup>3</sup>	70 cm**

Antenna connection	1 x SMA plug (50 Ω)
Antenna connection cable	RG58, 50 Ω, length approx. 3.6 m

\*In connection with the reader ID ISC.LR2500 and according regulations EN 300 330 and ERC Recommendation 70-03 Annex 9 Vol. F1

\*\*Read ranges using a transponder 46 x 75 mm<sup>2</sup> over the centre of the antenna and parallel orientation to the antenna

1 For example Mid Range Reader ID ISC.MR102

2 For example Long Range Reader ID ISC.LR2500

3 For example Long Range Reader ID ISC.LR2500

## STANDARD CONFORMITY

Radio approval	
Europe	EN 300 330
USA	FCC 47 CFR Part 15
EMC	EN 301 489
Safety	
Low voltage	EN 60950
Human Exposure	EN 50364

FEIG ELECTRONIC reserves the right to change specification without notice at any time.

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