Product Specification

Product Name:

2.4G RFID Ear Tag

Model NO.:

ZR3458

Key Features:

- 1、Based on the technical advantages of its own 2.4G active products, Zhongrong Deigital has developed and designed a unique 2.4G active animal ear tag on the market. It solves the problems of short communication distance and low recognition rate of passive ear tags on the market. 2.4G animal ear tags can be better used in large pastures and farms.
- 2、The 2.4G RFID ear tag adopts a very good anti-collision algorithm, and the recognition rate is as high as 99%. The working communication distance with 2.4G Ultra-long Range Integrated Reader can reach 400 meters.
- 3、A globally unique ID number that cannot be changed. At the same time, laser engraving customers' own numbers are also accepted. The factory standard is ID + QR code.
- 4、The advantages of 2.4G IoT communication technology can provide strong support for subsequent expansion functions such as ear temperature recognition, motion recognition etc.
- 5、The drop rate is 3% and the weight is 17.45g, which is in line with the relevant standards of the Ministry of Agriculture of various countries for animal ear tags.
- 6、As the definer and advocate of 2.4G communication protocol, we pursue to use simpler host computer communication data to facilitate customers to do secondary development and system docking.

Parameters:

Model No	ZR3458
Operation frequency	2482MHz
Type	Beacon Type
Signal modulation	GFSK
Communication speed	1Mbit/s
Inductive Mode	Initiative Transmit, Transmit Every 10s
Output power	7dbm
Material	ABS, Heat Resistant
Dimension	46.5*36*11mm
Life time	Battery Life Up to 5 years
Battery model	CR2477
IP Grade	IP67
Installation	Ear Piercing
Color	Flesh Color
Weight	17.45g （Female 3g）
Unique ID	15 digital ID in DEC, Lester Marking
Quiescent Current	<10uA
Peak Current	20mA
Operating temperature	-20°C~+60°C
Storage temperature	-20°C~+45°C
Operating humidity	20%～95%
Storage humidity	10%～98%
Temperature measurement range	-20°C~+60°C
Temperature measurement accuracy	±0.3°C (32°C~45°C) ±0.5°C (others)
Temperature measurement method	Contact
Movement direction	X, Y, Z
Range	±2g
Accuracy	±8mg
Sampling frequency	10Hz

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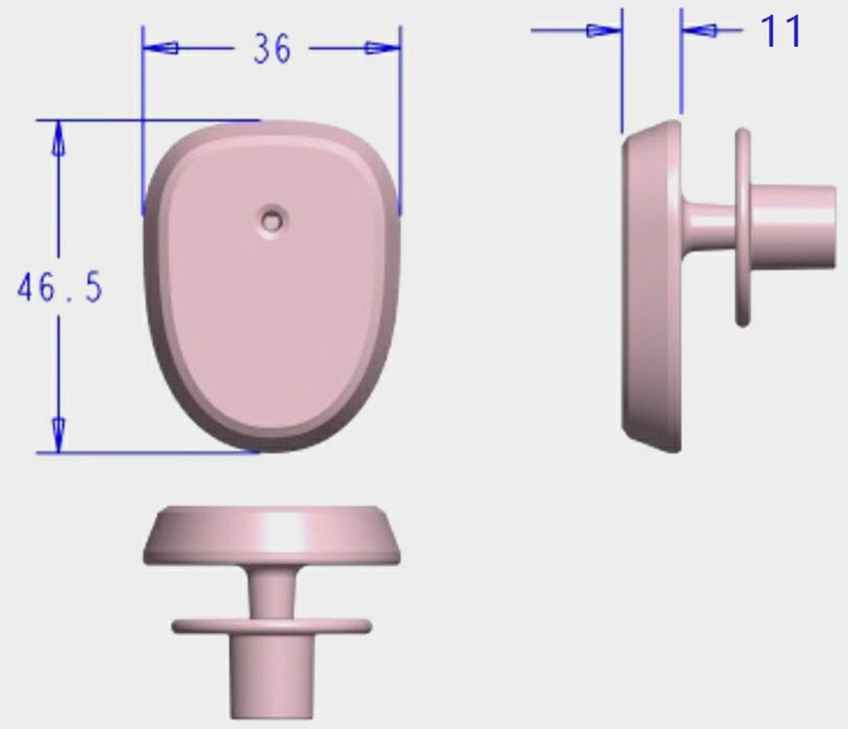
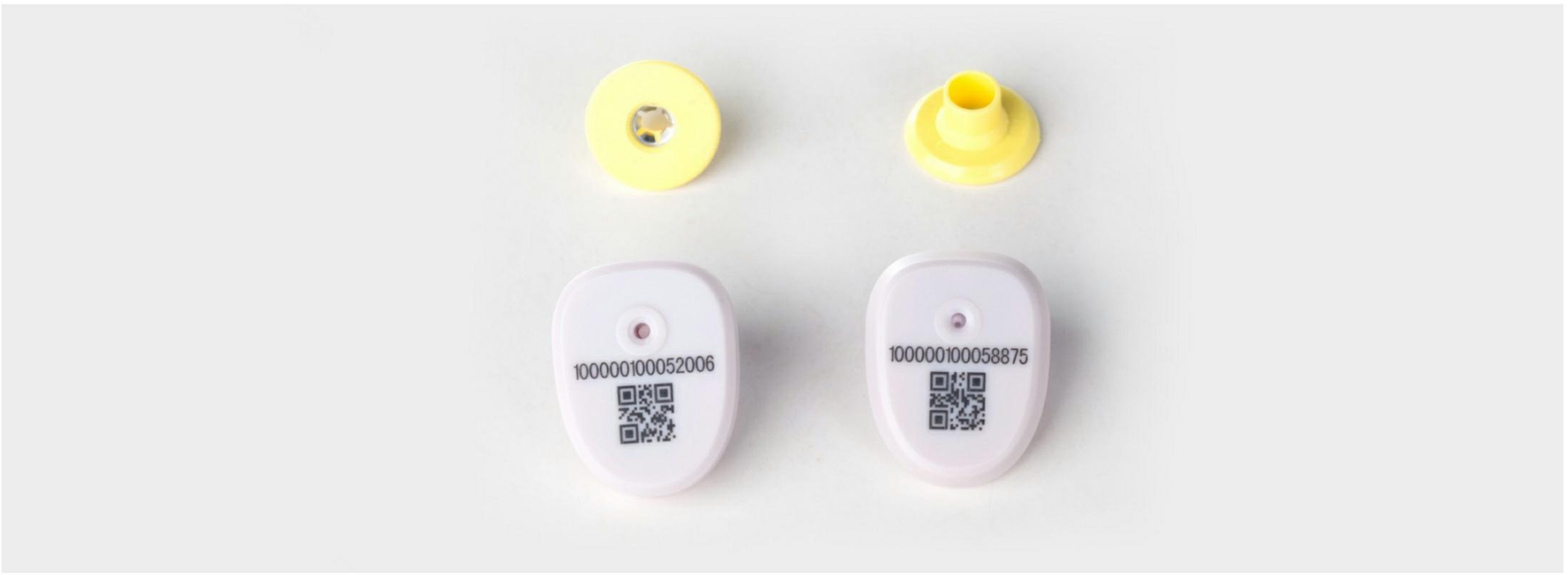
Dimension:



Photos:



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