



Antenna Specifications

DOC No.: 202110290002

Customer: ZKTECO

P/N: _____

Product name: ID Antenna

Product model: KF1000-ID (T367)

Supplier : Guangdong ZK Radio Electronic Tech Co., Ltd

Specification: ID Antenna: L*W 22mm*11mm(±0.3mm)/Cable Length 20mm

Sample date: 20211029 QTY.: 5PCS

Supplier confirmation	Compilation	Software engineer	Hardware engineer	
Customer confirmation	Chief Tester		Verification	

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KF1000-ID (T367) ID Antenna

1. Basic features and application areas

1.1 Basic feature:

RF antenna has two roles: 1. Provide RF field to activate the card; 2. Receive the card to reply to the data; RF antenna practical application process according to the structure of the antenna dimensions and the need for the sense of the value of the antenna to determine the parameters of the antenna; specific according to the actual environment to make adjustments;

1.2. Application :

Can be widely used in radio frequency card reader class host device.

2. Technical Parameters

2.1 Basic technical parameters:

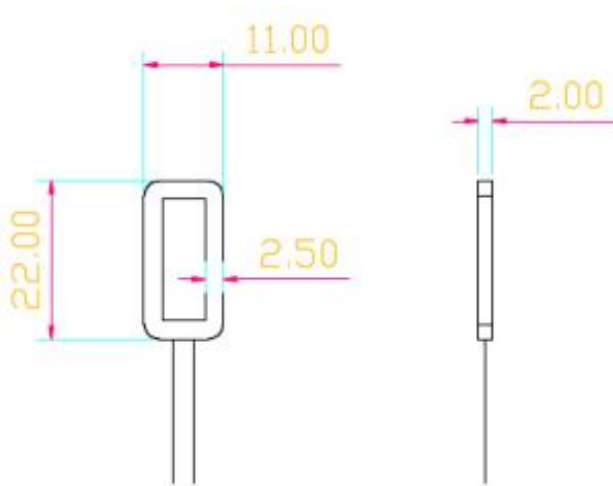
Model	KF1000-ID (T367) ID Antenna	
Outer Width	Length*Outer	22mm*11mm(± 0.3 mm)
Inside Width	Length*Inside	17mm*6mm(± 0.3 mm)
Winding width		2.5mm(± 0.2 mm)
Thickness		2mm(± 0.2 mm)
ID Cable Length		20mm(± 1 mm)
Wire length		Total length 52mm(± 1 mm)
Coil material		Copper
Wire dia.		0.15 \pm 0.01mm
Application for module		IEM05 module
Inductance value		485 \pm 10uH
Testing environment		Installation test, room temperature 25 $^{\circ}$ C-30 $^{\circ}$ C, humidity: 85%RH
Card support		ID card
Voltage		5V
Work frequency		125KHz
Operating environment		-20 $^{\circ}$ C \sim 65 $^{\circ}$ C, 65% \pm 30%RH

Breakdown voltage	<100V
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2.2 Swipe card distance

No	Card type	Test Distance L	Noted
1	ID thin card	0~L: $L \geq 3\text{CM}$	Remarks: 0~L ($L \geq L\text{cm}$) (actual distance is related to the card used and the application environment)
2	ID Thickness card	0~L: $L \geq 4\text{CM}$	
3	ID Keyfob	0~L: $L \geq 2\text{CM}$	

3. Designator



Unit: mm

4. Real products picture



5. Technician person

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