	specification	№	
		Revision	A.0
	Stock code.:	Page	1 of 6
		Date	2023/12/4

Specification list

Revision History

Date	Revision	Revision contents	Page	Revisor
2023.5.12	A.0	newly developed	10	

1. General

This specification applies to the products provided by Shenzhen Volt Electronic Technology Co:

2. Operating condition

№	Item	Specification
2-1	Rated use voltage/current	DC:5V 500-1000mA
2-2	Standby Power Current	60mA Max
2-3	Voltage range	4.75-5.25V
2-4	Rated output power	1W
2-5	Wireless charging distance	3mm MAX
2-6	Transmitter magnet pole direction	S极
2-7	operating environment	0～50℃,10～90%（RH）
2-8	electric current	200mA±20

3.Measurement conditions

In general, the wireless charger can be tested in an environment of 5 to 35° C and a relative temperature of 45 to 85% (RH). In order to ensure consistency, testing should be conducted within the provisions of the following table

№	Item	Specification
3-1	temp	25±3℃
3-2	humidity level	（63%～67%）RH

4.Mechanical specification

№	Item	Specification	Measuring condictions/Remark
4-1	exterior condition	There should be no obvious appearance of damage, corrosion and other phenomena	visual inspection

4-2	sizes	See outline drawing	Measurement with vernier calipers or micrometers

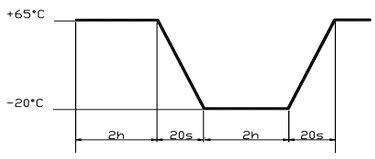
5.性能特征/Performance and characteristics

№	Item	Specification	Measuring condictions/Remark
5-1	rated voltage	5V±5%	At rated voltage and rated load
5-2	rated current	500mA	
5-3	Transmitter coil inductance	2.8uH	bridges：100KHz/1.0V/LCZ METER 1062B
5-4	Receiving line ray-coil inductance	8.2uH 15mm线长	bridges100KHz/1.0V/LCZ METER 1062B
5-6	Discharge protection voltage	/	Integrated Tester：CT-3008
	Overcharge protection voltage	/	
5-7	Overcharge and discharge current	/	Integrated Tester：CT-3008

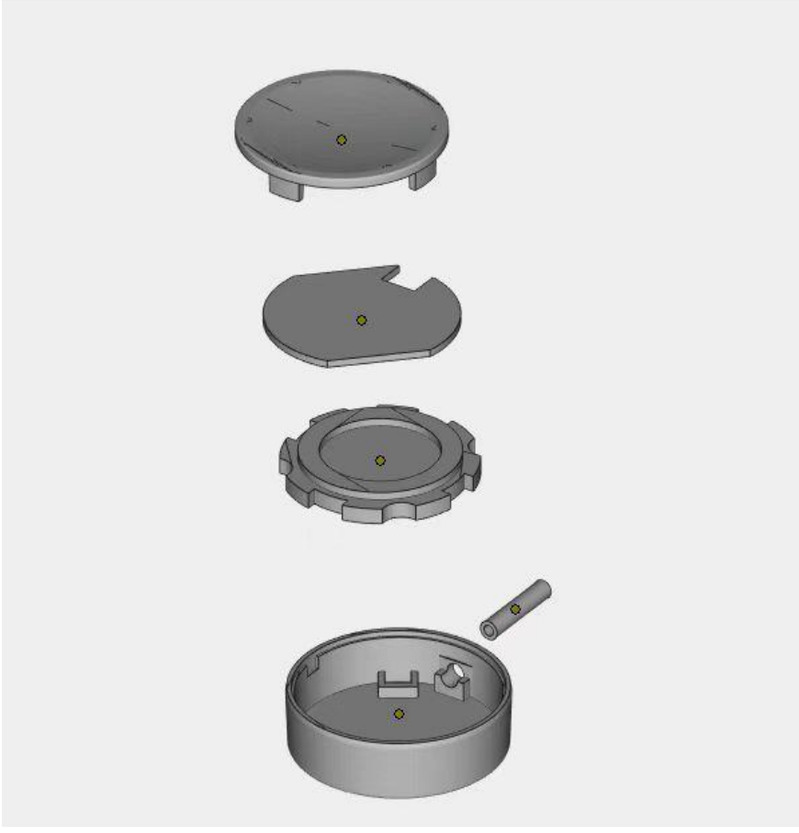
6Reliability

№	Item	Specification	Judgment
6-1	Aging Test	The sample was aged for 4 hours at an output of 4.1V/100mA (battery side)	After being placed at room temperature and humidity for 4h, the performance should meet the requirements
6-2	Storage at low temperature	Temperature: -20±2℃ Time: 96h	After being placed at room temperature and humidity for 4h, the performance shall meet the following requirements.
6-3	High temperature storage	温度Temperature:60±2℃ 时间Time:96h	在常温常湿下放置4h后，性能应符合以下要求。 After being placed at room temperature and humidity for 4h, the performance shall meet the following requirements.

	6-4	Humidity Placement	Temperature: 60±2℃ Humidity: 90～95%RH Exposure time: 96h	After being placed at room temperature and humidity for 4h, the performance shall meet the following requirements.	
	6-5	Vibration	Full swing:1.5mm (p-p)Frequency:10 to 55Hz Cycle:20min （10～55～10Hz） Orientation:x、y、z Time:2h	After 4h at room temperature and humidity, the performance shall meet the requirements of clause 5: Performance characteristics.	

№	Item	Specification	Judgment
6-6	thermal shock	 Period : 32times	After being placed at room temperature and humidity for 4h, the performance should meet the requirements
6-7	natural fall	Test condition:The launching seat is fixed to an object of about 50 grams (including the launching seat itself) and dropped onto a concrete floor. Height:1.0m Orientation:±x.±y.±z Frequency: 2 times in each direction	After 4h at room temperature and humidity, the performance shall meet the requirements of clause 5: Performance characteristics.

7.Motor configuratoin drawing



NO	Name	NO	Name
1	housings		
2	magnets		
3	transformers		
4	power line		
5			
6			
7			
8			

8.Product Outline Diagram

Usage instructions: Gently close the round end of the wireless charge to the back of the watch, and wait for the magnetic absorption to automatically adsorb to the correct position, you can start charging.
Operating frequency: 730KHz

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.