

Specification Approval Sheet

Name: Zinc-Managanese Dioxide

Model: AKYGA AA R6

SPEC: 1.5V

Specification Modification Records

Modification Time	Descriptions	Issued Date	Approved By
	Release 1	2023-05-28	

Content

Any copies are invalid without our company's approval



SPECIFICATION

1.Scope

This specification is suitable for the performance of following battery:

Model:

R6P

AA /

A:2.1-2.5mm	C:13.5-14.5mm
B:49.2-50.5mm	D:0.6-0.8mm

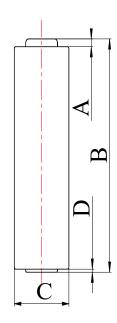
Chemical System: Zn/ZnCL—H2O/MnO2

Nominal voltage: 1.5V

Heavy Metal Contents:

Hg	Cd	Pb
ND	<20ppm	<800ppm





2.Ratings

Nominal Voltage		1.5V
	Standard Temperature	20°C ±2°C
Temperature Range	Special Temperature	30°C ±2°C
for operation	High temperature	45°C ±2°C
Humidity Range for	Standard Humidity	45%~75%
Storage		
	Special Humidity	35%~65%
Dimension	Diameter	13.5~14.5mm
	Height	49.2-50.5mm
Approx weight		14.6g



3. Electrical Characteristic

condition: on-load resistance 3.9 Ω ,precision \pm 0.5%,time:0.3S, temperature: 20 $^{\circ}$ C \pm 2 $^{\circ}$ C .Testing should be done within 15days upon the receipt of goods.

	Off-load	On-load	Instance
	Voltage(V)	Voltage(V)	current(A)
fresh Battery	1.68-1.71	1.500	4.5
stored for 12 months under	1.65-1.68	1.400	3.5
Room Temp			

4. Discharge Characteristic

condition: temperature: 20 $^\circ\!\text{C} \pm 2\,^\circ\!\text{C}$. Testing should be done within 15days upon the receipt of goods

	Discharge condition		Minimum average Discharge time		
	on-load	Discharge	end	fresh Battery	stored for 12 months
refere	resistance	time per day	Voltage(V)		under Room Temp
nce	3.9 Ω	24h/day	0.9V	≥90 m	≥80m
stand	1.8 Ω	15s/1m,	0.9V	≥145 次	≥129 次
ard		24h/day			
	3.9 Ω	1h/day	0.8V	≥133m	≥120 m
	10 Ω	1h/d	0.9V	≥6.3h	≥5. 6h
	24 Ω	15s/1m,	1.0	≥14h	≥12.4h
		8h/day			
	43 Ω	4h/d	0.9V	≥29h	≥25h

Inspect standard:

If this average is equal to or greater than the specified figure and no more than one battery has a service output of less than 80 % of the specified figure, the batteries are considered to conform to service output. Discharge 9 samples for each condition.



5. Anti-leakage characteristic

Discharge	on-load	Discharge	end	Characteristic	Inspect
condition	resistance	time per day	Voltage		standard
Tenp: 20°C ±2°C	3.9 Ω	24h/d	0.35V	Deformation is less	N=30,A
Hunl: 45%~75%				than 0.2mm and no	C=0,
				visual leakage	Re=1

6.Marks:

the following message will be printed or stamped on the body of the battery:

- (1) Model
- (2) Nominal Voltage
- (3) pole
- (4) Warning
- (5) Period of validity

7. Store period of battery

Under room temp & suitable environment, its shelf time is 3 years.

8. Notices

Make sure batteries are installed correctly (+/-).

Do not attempt to decomposition, recharge or heat the battery.

Do not mix old with new battery or different types of batteries..

Remove batteries from appliances if unused for extended periods of time.