



Zinc Chloride Dry Battery SUM4G

1. Scope

This specification is applicable to the “VINNIC” brand Zinc Chloride Mercury Free and No Lead Added Dry Batteries supplied by CHUNG PAK BATTERY WORKS LTD.

2. Technical Specification

2.1 Name (Designation) : SUM4G/EXTRA (EXTRA HEAVY DUTY)
(IEC Designation) : R03

2.2 Dimensions:

Diameter : 10.5mm

Height : 44.5mm

2.3 Weight (approx.) : 9.4g

2.4 Nominal voltage : 1.5V

2.5 Typical capacity : 380mAh at 10Ω 1hrs/day (E.V.0.9V)

2.6 Typical duration : 190min at 10Ω 1hrs/day (E.V.0.9V)
28 hrs at 75Ω 4hrs/day (E.V.0.9V)

2.7 Retention : 90% after 12 months storage(20°C)
85% after 24 months storage(20°C)
70% after 36 months storage(20°C)

2.8 Outside shape dimensions and terminals:

Dimensions of Zinc Chloride Dry Battery		R03
Unit:mm		
	Max	Min
A	44.5	42.5
B		42.5
C		4.3
E	0.5	
F	3.8	
G		0.8
Ø	10.5	9.5

Technical drawing of a zinc chloride dry battery. The drawing shows a cylindrical battery with a positive terminal on top and a negative terminal on the bottom. Dimensions are labeled as follows: A is the overall height; B is the height between the contact terminals without the pip; C is the outer diameter of the negative terminal contact area; E is the depression of the negative terminal from the outer casing; F is the diameter of the positive terminal within the specified projection height; G is the height of the projected area of the positive terminal, exclusive part; and Ø is the diameter of the battery.

Remarks

- A: Overall height of battery
- B: Height between contact terminals without pip
- C: Outer diameter of negative terminal Contact area
- E: Depression of negative terminal from outer casing
- F: Diameter of positive terminal within The specified projection height
- G: Height of projected area of positive terminal, exclusive part
- Ø: Diameter of battery