



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/MAXIMA (EXTRA HEAVY DUTY)
(IEC Designation) : R03

2.2 Dimensions:

Diameter : 10.5mm

Height : 44.5mm

2.3 Weight (approx) : 9.4g

2.4 Nominal : 1.5V

2.5 Typical capacity : 330mAh at 10Ω 1hrs/day (E.V.0.9V)

2.6 Typical duration : 170min at 10Ω 1hrs/day (E.V.0.9V)
26 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

The diagram shows a cylindrical battery with a dashed centerline. Dimension A is the total height. Dimension B is the height from the top contact to the bottom contact. Dimension C is the diameter of the negative terminal. Dimension E is the depth of the negative terminal's depression. Dimension F is the diameter of the positive terminal. Dimension G is the height of the positive terminal's projection. Ø is the overall 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