



Zinc Chloride Dry Battery SUM5G

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) : SUM5G/EXTRA (EXTRA HEAVY DUTY)

(IEC Designation) : R1

2.2 Dimensions:

Diameter : 12.0mm

Height : 30.2mm

2.3 Weight (approx) : 7.6g

2.4 Nominal voltage : 1.5V

2.5 Typical capacity : 400mAh at 300Ω 12hrs/day (E.V.0.9V)

2.6 Typical duration : 205 min at 15Ω 24hrs/day (E.V.0.85V)

92 hrs at 300Ω 12hrs/day (E.V.0.9V)

2.7 Retention : 90% after 12 months storage(20°C)

85% after 24 months storage(20°C)

75% after 36 months storage(20°C)

2.8 Outside shape dimensions and terminals:

Dimensions of Zinc Chloride Dry Battery		R1
Unit:mm		
	Max	Min
A	30.2	28.0
B		28.0
C		4.8
E	0.2	
F	4.5	
G		0.3
Ø	12.0	10.7

The diagram shows a cylindrical battery with a positive terminal protruding from the top. Dimension A is the total height. Dimension B is the height from the top of the terminal to the bottom of the battery. 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 diameter of the battery casing.

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