



Zinc Chloride Dry Battery SUM5/GP

1. Scope

This specification is applicable to the “VINNIC” brand Zinc Chloride mercury Free Dry Batteries supplied by CHUNG PAK BATTERY WORKS, LTD.

2. Technical Specification

2.1 Name (Designation) : SUM5/GP (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

Technical drawing of a zinc chloride dry battery. The drawing shows a cylindrical battery with a positive terminal (+) at the top and a negative terminal (-) at the bottom. Dimensions are indicated as follows: A is the overall height; B is the height between 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