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Zinc Manganese Dioxide Battery

DATE:

1.5V

Zinc Manganese Coin type Battery **Specification**

45mAh

Model: AG9

Prepared By/Date	Checked By/Date	Approved By/Date

Important Notice

These data sheets contain information specific to batteries manufactured at the time of its publication.

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PRODUCT SPECIFICATION

1. Applicability: This specification is applicable to **AG9** coin type zinc manganese dioxide battery.

SPECIFICATION

1. Cross Reference:

		U.S.A		U.S.A H.		
IEC	JAPAN	Ray-O-Vac	SWITZERLAND	GERMANY	PRODUCTS	
	LR936	RW33	394	V394	AG9	

2. Chemical System : Zinc-Manganese Dioxide (Potassium Hydroxide Electrolyte)

3. Nominal Voltage: 1.50V

45mAh (continuously discharge at 20±2°C under 15k Ω load

4. Standard Capacity: to 0.9V end-point voltage)

5. Approximate Weight: 0.79g

6. Dimensions & Structure : Dimensions & structure of the cell are shown in the attached Fig. 1.

7. Terminal Materials: Negative: Ni plated/Fe/Cu plated or gold plated steel

Positive: Ni plated steel



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ο.	Characteristics	•

Characteristics of the cell are shown in the following table.

Items	Storage	Characteristics	Conditions
8.1 Electric	Characterist	ics	
Open-Circuit	Initial	1.510V or higher	DC Voltmeter: The tolerance is ±0.005V and the
Voltage	After 12 months	1.5000V or higher	input resistance is 1M Ω or more.
Closed-Circuit	Initial	1.500V or higher	DC Voltmeter : Same as above.
Voltage	After 12 months	1.490V or higher	Load Resistance : 15k Ω , 0.8Sec.
8.2 Service	Output		
Service Life 15k Ω	Initial	600hrs or longer	Discharge Resistance : 15k Ω
Continuous Discharge	After 12 months	540hrs or longer	End-Point Voltage : 0.9V
8.3 Electrol	yte Leakage I	Proof Characteristics	s
Electrolyte leakage on overdischarge	There are no bulging or deformation of cells in excess of maximum dimensions shown in attached Fig. 1 by 0.2mm or more. There are no visible electrolyte leakage.		Load Resistance : 22k Ω Overdischarge Time : 48hrs (discharge after having

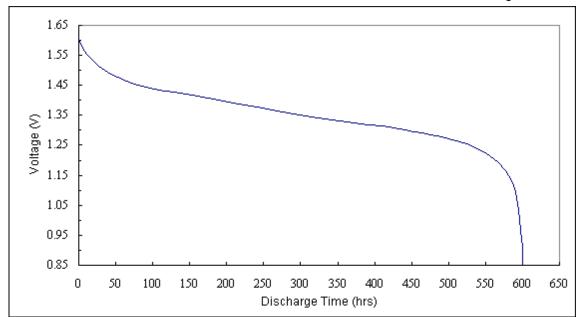


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9. Discharge Curve:

Load Resistance : 15k Ω End-Point Voltage : 0.9V



10. Markings on Product:

- (1) Battery Type: L936
- (2) Brand:
- (3) Polarity: "+" at the bottom ("--" not indicated)
- (4) Other specified markings

11. Caution for Use:

- (1) Since the button cell is not manufactured for recharging, there are risks of electrolyte leakage or causing damage to the device if the cell is charged.
- (2) The button cell shall be installed with its "+" and "--" sign according to the instruction shown on the applied device.
- (3) Short-circuiting, heating, disposing of in fire, or dissembling the button cell shall be prohibited.

12. Warranty:

12 months shelf life after delivery.



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