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Zinc Manganese Dioxide Battery

DATE:

1.5V

Zinc Manganese Coin type Battery **Specification**

145mAh

Model: <u>LR44</u>

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 **LR44** coin type zinc manganese dioxide battery.

SPECIFICATION

1. Cross Reference:

		U.S.A			H.K
 IEC	JAPAN	Ray-O-Vac	SWITZERLAND	GERMANY	PRODUCTS
LR44	LR44	RW32	303	V303	AG13

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

3. Nominal Voltage: 1.50V

145mAh (continuously discharge at 20±2 $^{\circ}\mathbb{C}$ under 6.8k $^{\Omega}$ load

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

5. Approximate Weight: 1.95g

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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8. Characteristics :		(Characteristics of the cell are shown in the following table.	
Items	Storage	Characteristics	Conditions	
8.1 Electric	Characteristic	es		
Open-Circuit Voltage	Initial	1.530V or higher	DC Voltmeter: The tolerance is ±0.005V and the	
	After 12 months	1.500V or higher	input resistance is 1M Ω or more.	
Closed-Circuit Voltage	Initial	1.520V or higher	DC Voltmeter : Same as above.	
	After 12 months	1.490V or higher	Load Resistance : 6.8k ♀, 0.8Sec.	
8.2 Service	Output			
Service Life 6.8k Ω Continuous Discharge	Initial	800hrs or longer	Discharge Resistance : 6.8k Ω	
	After 12 months	720hrs or longer	End-Point Voltage : 0.9V	
8.3 Electrol	yte Leakage P	roof Characteristic	es	
Electrolyte leakage or overdischarge	of maximushown in attaby 0.2mm or	um dimensions iched Fig. 1 more. There are	Humidity : (65±20)%RH Load Resistance : $6.8 k \Omega$ Overdischarge Time : 48hrs (discharge after having reached	
	no visible ele	ctrolyte leakage.		



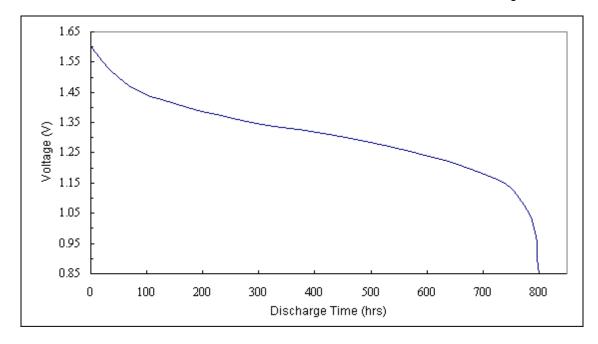
DATE:

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9. Discharge Curve:

Load Resistance : 6.8k Ω

End-Point Voltage: 0.9V



10. Markings on Product :

- (1) Battery Type: L1154
- (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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