

1.5V

# Zinc-Silver Oxide/ Manganese Coin type Battery Specification

## 13mAh

Model: SR60

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

#### **Important Notice**

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VER:

DATE:

## Zinc-Silver Oxide/Manganese Dioxide Battery

## **PRODUCT SPECIFICATION**

**1. Applicability:** This specification is applicable to **SR60** coin type zinc-silver oxide/manganese dioxide battery.

## **SPECIFICATION**

1. Cross Reference:

		U.S.A			H.K	
 IEC	JAPAN	Ray-O-Vac	SWITZERLAND	GERMANY	PRODUCTS	
SR60	SR621W	RW320	364	V364	SG1	

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

**3. Nominal Voltage :** 1.55V

13mAh (continuously discharge at 20±2°C under 22k  $\Omega$  load

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

**5. Approximate Weight:** 0.28g

**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



## Zinc-Silver Oxide/Manganese Dioxide Battery

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## 8. Characteristics :

Characteristics of the cell are shown in the following table.

Items	Storage	Characteristics	Conditions		
8.1 Electric	Characterist	tics			
Open-Circuit Voltage	Initial	1.560V or higher	DC Voltmeter: The tolerance is ±0.005V and the		
	After 12 months	1.550V or higher	input resistance is 1M $\Omega$ or more.		
Closed-Circuit	Initial	1.550V or higher	DC Voltmeter : Same as above.		
Voltage	After 12 months	1.540V or higher	Load Resistance : $22k \Omega$ , $0.8$ Sec.		
8.2 Service	Output				
Service Life 22k Ω	Initial	240hrs or longer	Discharge Resistance : 22k Ω		
Continuous After Discharge 12 months 216hrs or longer		216hrs or longer	End-Point Voltage : 0.9V		
8.3 Electrol	lyte Leakage	Proof Characteristics	s		
Electrolyte leakage or overdischarge	There are no bulging or deformation of cells in excess nof maximum dimensions shown in attached Fig. 1 by 0.2mm or more. There are no visible electrolyte leakage.		Load Resistance : $22k\Omega$ Overdischarge Time : $48hrs$ (discharge after having		



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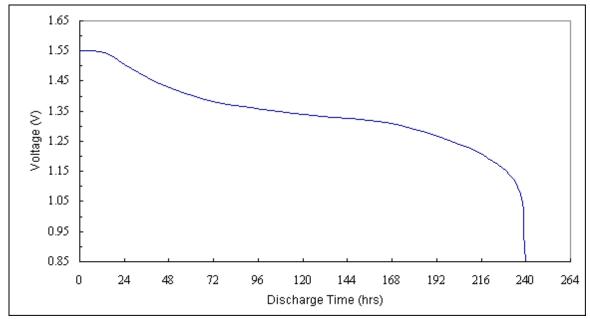
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## Zinc-Silver Oxide/Manganese Dioxide Battery

## 9. Discharge Curve :

Load Resistance : 22k  $\Omega$ 

End-Point Voltage: 0.9V



#### 10. Markings on Product:

- (1) Battery Type: SR621
- (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.



## **Strongwill Ultra-Power Battery Technology**

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