

**ENGINEERING SPECIFICATION**

**Product:** 6F22, Zn/MnO<sub>2</sub>, 9Volts

**Date:** March 9, 2005

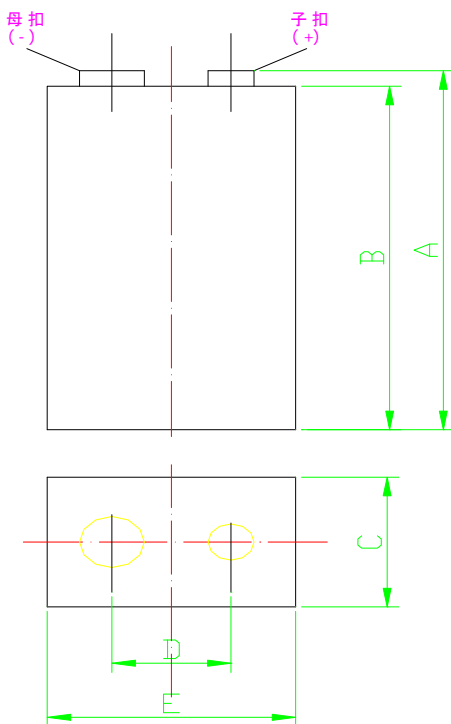
**SCOPE :**

This specification defines the technical requirements for dry cells distributed by BAO TONG. If not otherwise specified, the cells should meet or exceed the requirements of **IEC 60086-1,2**

If not otherwise specified in the drawing, the cell shall meet the dimensional requirements of standards listed in the scope.

**1. Dimensions**

in accordance with attached drawing.



Dimensions	Max	Min
A	48.5	46.5
B	46.4	
C	17.5	15.5
D	12.95	12.45
E	26.5	24.5

**2. Electrical Requirement**

O.C.V. : Min 9.00V Max 10.35V

**3. Service Life:**

3.1

Load Resistance ( ±0.5%)	<b>180 Ohms</b>			
Cycle Time	<b>30 min/d</b>			
Cutoff Voltage	<b>4.8Volt</b>			
Storage Condition	<b>+20°C±2°C and 60±10%RH</b>			
Minimum Average Duration	<30days	12 months	24months	36months
	450 min	360min	292mins	

**ENGINEERING SPECIFICATION**

**Product: 6F22, Zn/MnO<sub>2</sub>, 9Volts**

**Date: March 9, 2005**

**3.2**

Load Resistance ( ±0.5%)	<b>180 Ohms</b>			
Cycle Time	<b>24h/d</b>			
Cutoff Voltage	<b>5.4Volt</b>			
Storage Condition	<b>+20°C±2°C and 60±10%RH</b>			
Minimum Average Duration	<30days	12 months	24months	36months
	250 min	200min	163mins	

**3.3**

Load Resistance ( ±0.5%)	<b>270 Ohms</b>			
Cycle Time	<b>1h/d</b>			
Cutoff Voltage	<b>5.4Volt</b>			
Storage Condition	<b>+20°C±2°C and 60±10%RH</b>			
Minimum Average Duration	<30days	12 months	24months	36months
	11hours	8.8hours	7hours	

**3.4**

Load Resistance ( ±0.5%)	<b>620 Ohms</b>			
Cycle Time	<b>2 h/d</b>			
Cutoff Voltage	<b>5.4Volt</b>			
Storage Condition	<b>+20°C±2°C and 60±10%RH</b>			
Minimum Average Duration	<30days	12 months	24months	36months
	28hours	22hours	18hours	

**4. Leakage Resistance**

**4.1 High heat and humidity storage test**

High Temperature Exposure

When exposed to a temperature of 45 ±2°C

for a period of

20 days

no leakage shall occur during the test

**5. Heavy Metal Contents**

The heavy metal contents of the cell shall conform to

Mercury limit (per cell weight)

1 ppm max

Cadmium limit (per cell weight)

100ppm max