

ENGINEERING SPECIFICATION

Product: 6F22, Zn/MnO₂, 9Volts

Date: March 9, 2005

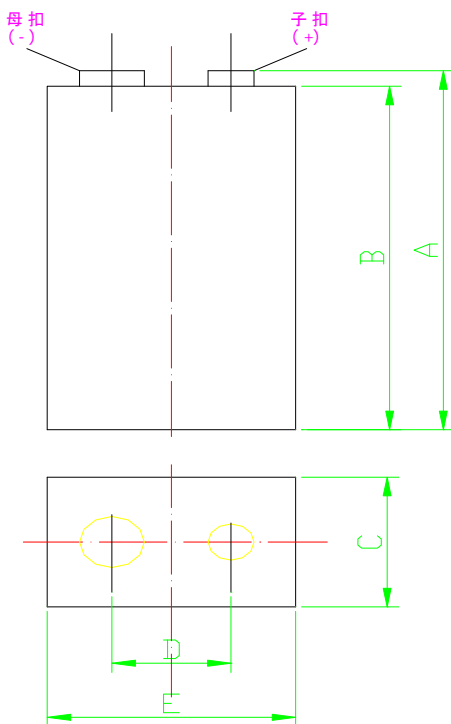
SCOPE :

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

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3.2

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

3.3

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

3.4

Load Resistance (±0.5%)	620 Ohms			
Cycle Time	2 h/d			
Cutoff Voltage	5.4Volt			
Storage Condition	+20°C±2°C and 60±10%RH			
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