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# SPECIFICATIONS

## "LITHIUM COIN"

### LITHIUM / MANGANESE DIOXIDE (Li/MnO<sub>2</sub>)

**1. DESCRIPTION**

CR2032

**2. CHEMICAL SYSTEM**

LI -ORGANIC ELECTROLYTE -MANGANESE DIOXIDE  
(MERCURY AND CADMIUM FREE)

**3. DIMENSION**

3.1 OUTLINE AND STRUCTURE: REF. THE ATTACHMENT

3.2 DIMENSION SHOULD BE ACCORDED WITH THE FORM AS FOLLOWS:

MODEL	DIMENSION (mm)				
	DIA.(•)		HEIGHT(H)		M
	Max	Min	Max	Min	Min
CR2032	20.0	19.7	3.2	2.9	8.0

**4. OPEN-CIRCUIT VOLTAGE:** 3.0-3.7V

**5. CAPACITANCE**

5.1 INITIAL PERIOD ( WITHIN 60 DAYS AFTER BEING MANUFACTURED): SHOULD BE ACCORDED WITH THE FORM AS FOLLOWS.

5.2 STORAGE PERIOD

STORED AT 20±2°C, RH45%--75% FOR 12 MONTHS•98%CAPACITANCE OF FRESH CELLS.

MODEL	NOMINAL VOLTAGE (V)	TEMPERATURE	DISCHARGE PERFORMANCE			
			TEST CONDITION			CONTINUOUS DISCHARGE TIME (h)
			ON-LOAD RESISTANCE (k•)	HOUR/DAY(h)	END VOLTAGE (V)	
CR2032	3.0	-20~54	15	24	2.0	1030

**6. APPEARANCE AND POLARITY**

CLEAN APPEARANCE, CLEAR MARK, NO DISTORTION, RUST AND LEAKAGE, GOOD CONTACT FOR POLARITY

**7. LEAKAGE RESISTANCE**

7.1 NO VISIBLE LEAKAGE OF ELECTROLYTE, SEALANT AND OTHER CHEMICALS DURING DISCHARGE PERIOD.

7.2 CELLS SHALL BE STORED IN AN AMBIENT TEMPERATURE OF  $45 \pm 2$  °C, RELATIVE HUMIDITY OF 75% FOR 30 DAYS, THEN OBSERVED AT 5 TIMES MAGNIFIER, NO VISIBLE LEAKAGE OF ELECTROLYTE, SEALANT AND OTHER CHEMICALS.

**8. STORAGE CHARACTERISTICS**

AFTER STATED STORAGE • BATTERY SHOULD MEET THE ABOVE REQUIREMENT.

**9. EXPIRY PERIOD MARKING**

EXPIRY PERIOD FOR 3-5 YEARS. MARKED ON THE BLISTER CARD, NO MARK ON BATTERIES.

**10. CAUTION**

10.1 DO NOT MIX THE POLARITIES

10.2 DO NOT RECHARGE

10.3 KEEP AWAY FROM SMALL CHILDREN

10.4 DO NOT MIX WITH USED BATTERIES