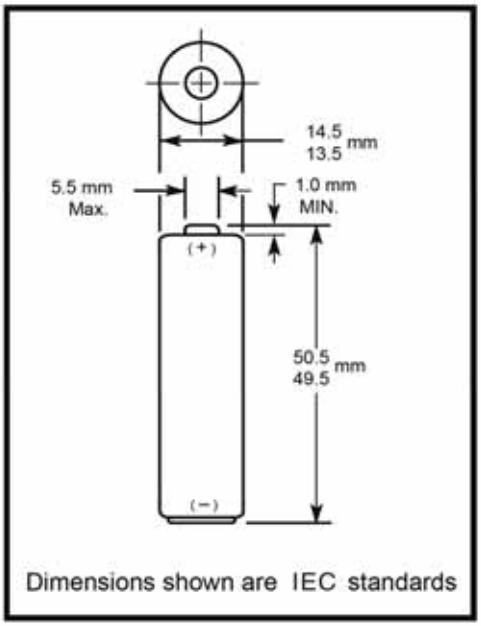
LR6 DIGI ALKALINE MANGANESE BATTERY SPECIFICATION

1. ESSENTIAL PARAMETER

Model	IEC LR6 ANSI AA JIS AM-3
Electrochemical System	Zinc/ MnO_2
Nominal Voltage	23.5g
Nominal Voltage	1.5V
Working Temperature	-20°C~54°C
Shelf Life (20°C)	3 years
Packaging and Mark	PET label (aluminum jacket) marked with expiry date
Hazardous Substance	Hg Content ＜ 1ppm Cd Content ＜ 20ppm Pb Content ＜ 40ppm
Reference Standard	IEC60086; GB8897; 2006/66/EC



2. ELECTRICAL CHARACTERISTICS (10Ω, 0.2s, 20±2°C)

I	**OCV (V)** Open-circuit Voltage	**CCV (V)** Closed-circuit Voltage	**SC (A)** Short-circuit Current
Standard Value (Initially)	≥1.60	≥1.55	≥10.0

3. DISCHARGE PERFORMANCE (20±2°C, RH: 45%~75%)

Discharge Pattern	Appliances (simulating)	End Voltage	Unit	Standard Value (Initially)	Actual Level (Initially)
3.9Ω - 1h /day	Electrical toy	0.8 V	minute	420	450
250mA - 1h/day	CD player	0.9 V	minute	430	460
10Ω - 1h/day	Walkman	0.9 V	hour	20	20.5
43Ω - 4h/day	Radio	0.9 V	hour	90	93

24Ω – 15s/min, 8h/day	Remote controller	1.0 V	hour	45	48
1000mA - 10s/min, 1h/day	Photoflash	0.9 V	pulse	420	460
1500mW - 2s, 650mW - 28s repeat 10 times(5min) per hour	Digital camera	1.05 V	pulse	75	85

4. SECURITY CHARACTERISTICS (Environment: Temp.20±2°C, RH.60±15%)

No.	Security Test Item	Test Method (IEC Standard)	Sample QTY.	Specification Standard
1	Over discharge – Anti-leakage Test	20±2°C, RH60±15%: 10Ω continuous discharge to 0.6V; visual observation.	9 pcs	No leakage
2	High Temperature – Anti-leakage Test	Store for 20 days under 60±2°C and RH: 90±5%; then store for 4~24 hours under 20±2°C and RH: 60±15%.	20 pcs	No leakage
3	External Short-Circuit	20±2°C, RH60±15%: Keep the battery external short-circuit for 24hours under the specified condition.	10 pcs	No explosion
4	Improper Installation	20±2°C, RH60±15%: Keep four un-discharged batteries from the same batch series connected with one of them (the Test Battery) reversed.	5 groups	No explosion

5. USAGE GUIDE (Please refer to IEC60086.5 for detailed safety and storage specifications.)

(1) Insert batteries correctly with regard to the polarities (“+”/”-”) marked on the battery and the electrical appliances;
(2) Do not short-circuit, recharge, heat, disassemble the battery, or dispose of in fire;
(3) Do not mix use old batteries with new ones, or mix use batteries of different types or brands;
(4) Remove the exhausted battery from the appliances immediately;
(5) Keep the batteries away from small children; do not let the child remove/ replace batteries without monitoring from adults.
(6) Storage condition of the batteries shall be Temperature: 15°C~25°C (no higher than 30°C), while extremely damp environment beyond RH: 40%~90% shall also be avoided; naked batteries are recommended to be labeled first, before storage.