

SPECIFICATIONS OF SINGLE CELL

Type Alkaline Manganese Button Cell
Model LR44/AG13

TECHNICAL INFORMATIONS

Item	Specifications	Conditions
Chemistry Composition	Zinc , Potassium hydroxide , EMD	0.00% Mercury & Cadmium
Nominal Voltage	1.5V	
Nominal Capacity	155 mAh	(condition: 43Ω load resistance, discharge 4 hours per day at 20+/-2°C, end-point voltage 0.9V)
Electrical Performance	Initial O.C.V (V) : ≥1.50 After 12 months O.C.V (V) : ≥1.49	Voltmeter: Precision ≤±0.005V Internal resistance ≥1MΩ
	Initial C.C.V (V) : ≥1.49 After 12 months C.C.V (V) : ≥1.48	Voltmeter: Precision ≤±0.005V Internal resistance ≥1MΩ Load resistance: 22KΩ, 0.8 Test time 0.8 sec.
Service Life 22KΩ	Initial ≥820 hours	Load resistance: 22KΩ
	After 12 months ≥720 hours	End-point voltage: 0.9V
Open Circuit Voltage		Within 1 hr after standard charge
Visual inspection after discharging		
End-point voltage 0.9V	No deformation and no external electrolyte leakage shall be observed	Temperature: 20±2°C: 65±20%RH Storage after discharging: 48 hours
Expiry period	Store for 1 year under suitable storage conditions (20+/-2°C, 65+/-20%RH).	
Cycles Test	IEC61951-2:2003	

ENVIRONMENT PERFORMANCE

Storage Temperature

Within 1 Year -20~25°C
Within 6 Months -20~35°C
Within 1 Month -20~45°C
Within 1 Week -20~55°C

Operation Temperature

Standard Charge -15~25°C
Fast Charge -0~45°C
Discharge 0~45°C