

Technical Data for Alkaline Dry Battery

Type: LR14

(Made in China)

2013/07/01

TOSHIBA HOME APPLIANCES CORPORATION

Battery Business Div.

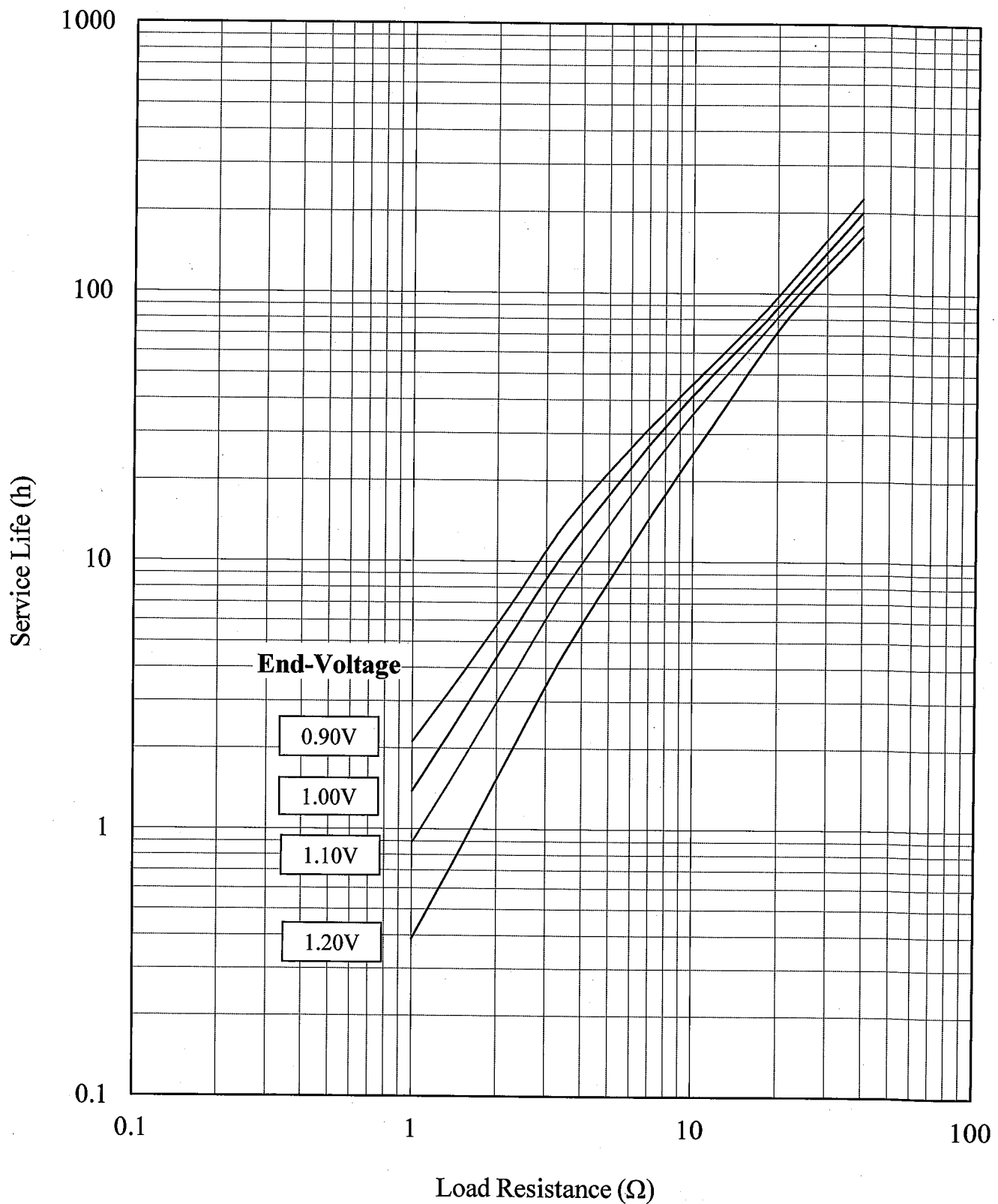
Ratings

Battery System		Alkaline Dry Battery	
Item			
Battery Type		LR14	
Nominal Voltage		1.5V	
Standard Discharge Performance ※Initial	Discharge Condition (JIS/IEC)		Service Life
	(1) 3.9Ω (4min/1h)-8h/day (End-Voltage:0.9V) :		18.0 hours.
	(2) 3.9Ω 1h/day (End-Voltage:0.8V) :		19.5 hours.
	(3) 20Ω 4h/day (End-Voltage:0.9V)		120 hours.
	(4) 400mA 2h/day (End-Voltage:0.9V) :		12.0 hours.
Standard Weight		72 g	
Terminals	Cap Terminals	Fe + Ni plate	
	Base Terminals	Fe + Ni plate	
Outer Dimensions	Overall Height	50.0(0/-1.4)mm	
	Diameter	φ26.2(0/-1.3)mm	
Usable Temperature Range		-10 ~ 45deg.C (If the operating temperature exceeds 40℃,the operating time shall be within 30 days.)	

(NOTE) *: " Initial" means performance within three months after production.

LR14 Load Resistance vs Service Life

Test Condition : Continuous Discharge, Initial, 20 deg.C

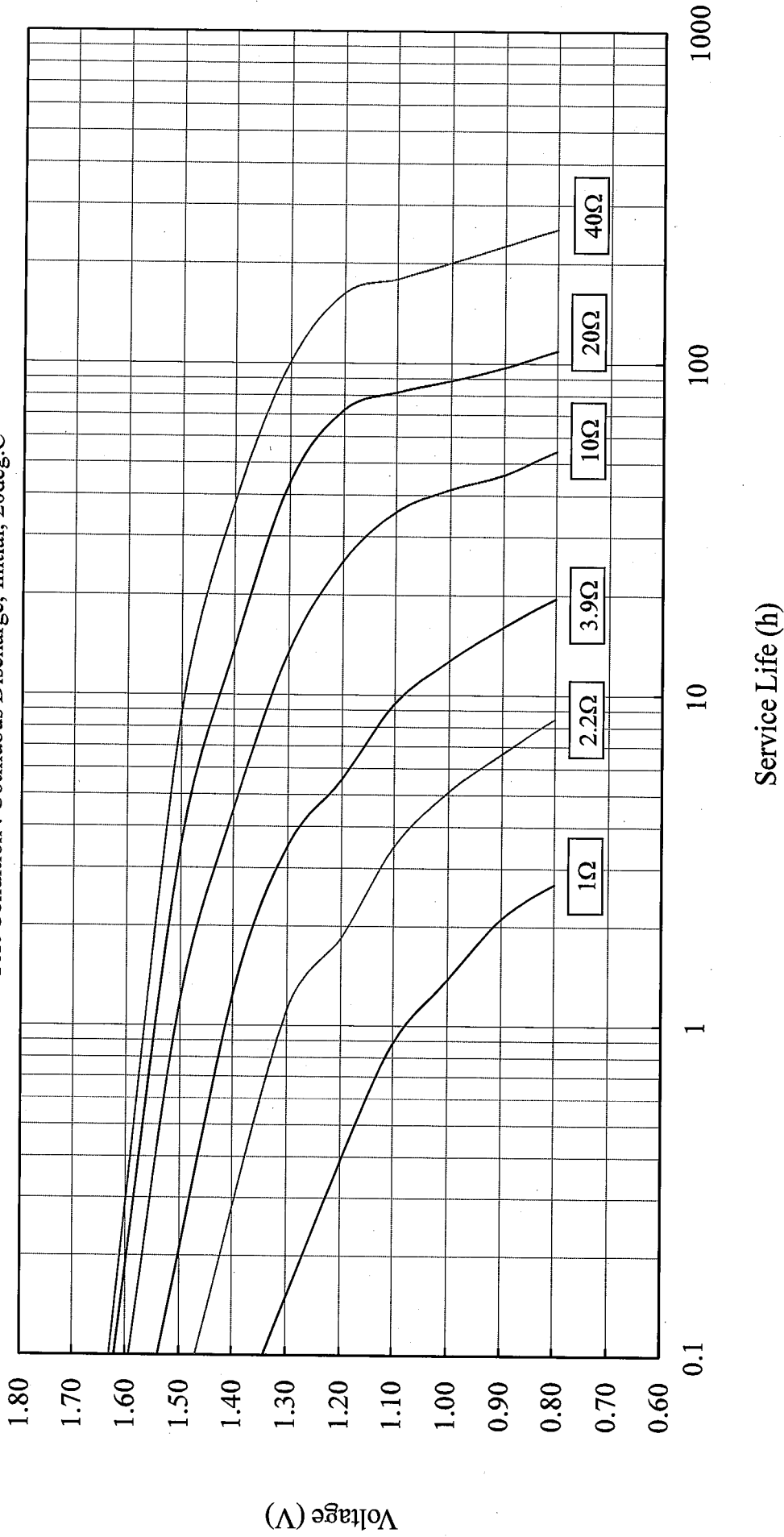


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LR14 Discharge Characteristics

Test Condition : Continuous Discharge, Initial, 20deg.C

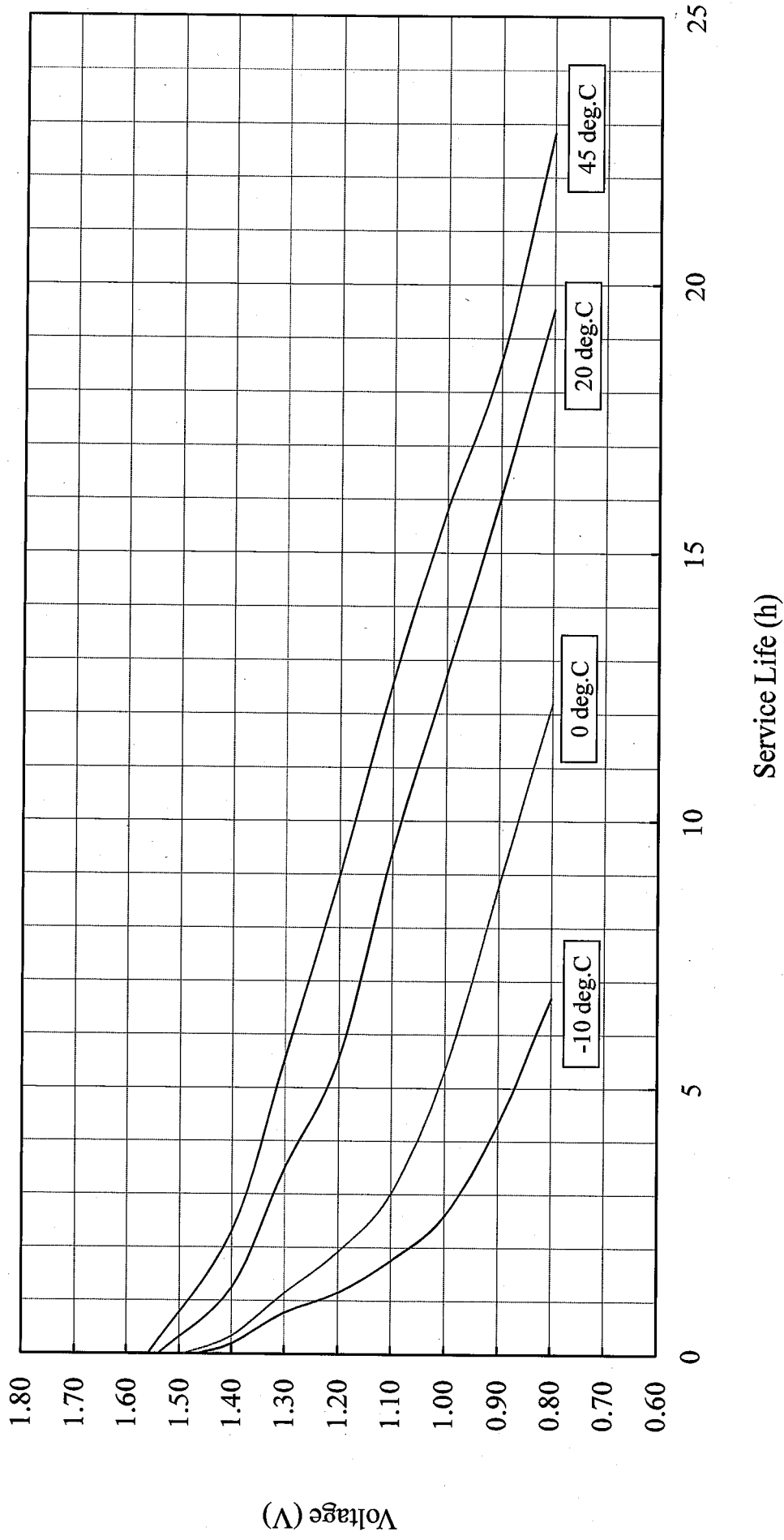


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LR14 Discharge Characteristics

Test Condition: 3.9 Ω Continuous Discharge, Initial

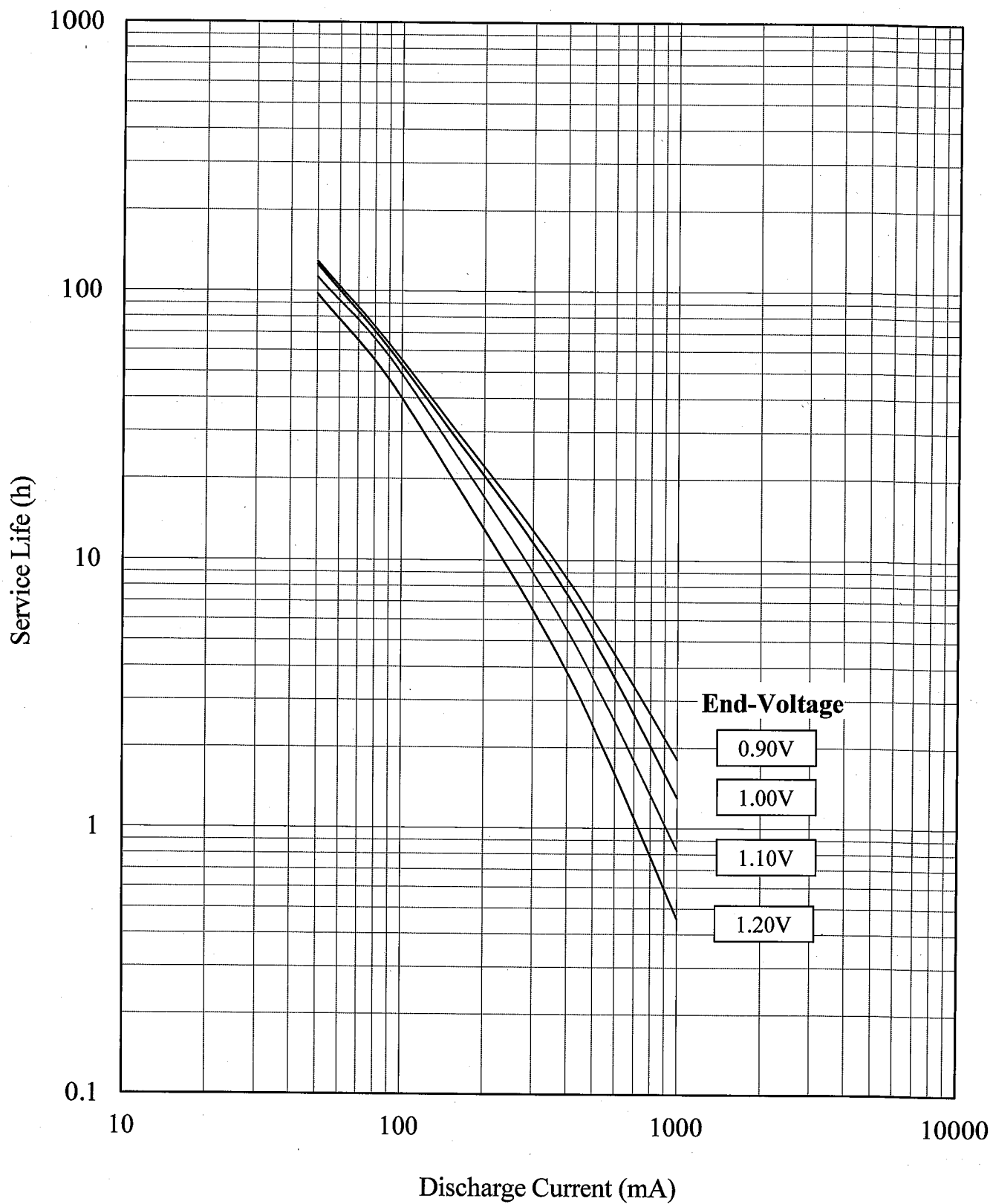


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LR14 Discharge Current vs Service Life

Test Condition : Continuous Discharge, Initial, 20 deg.C

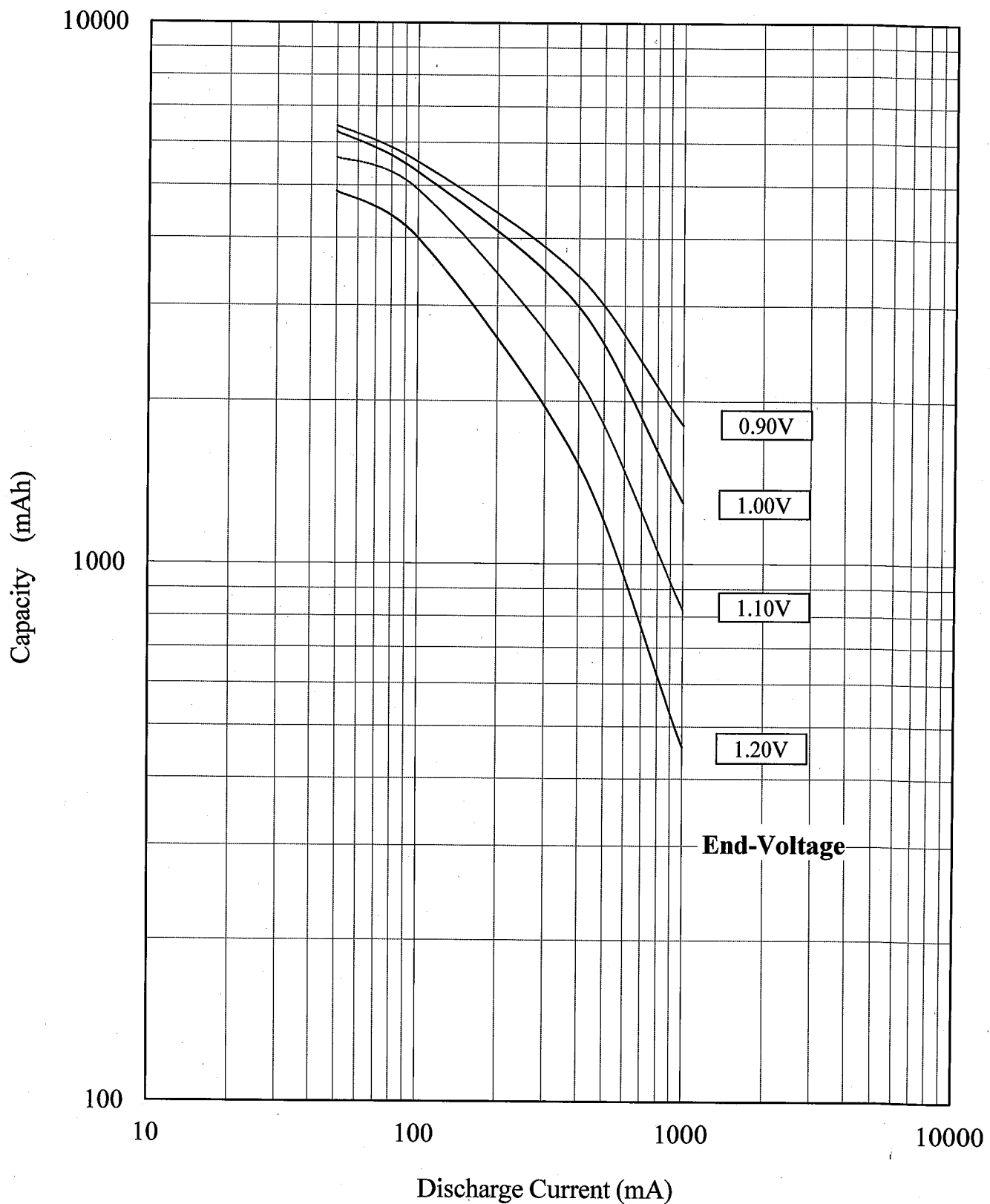


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LR14 Discharge Current vs Capacity

Test Condition : Continuous Discharge, Initial, 20 deg.C

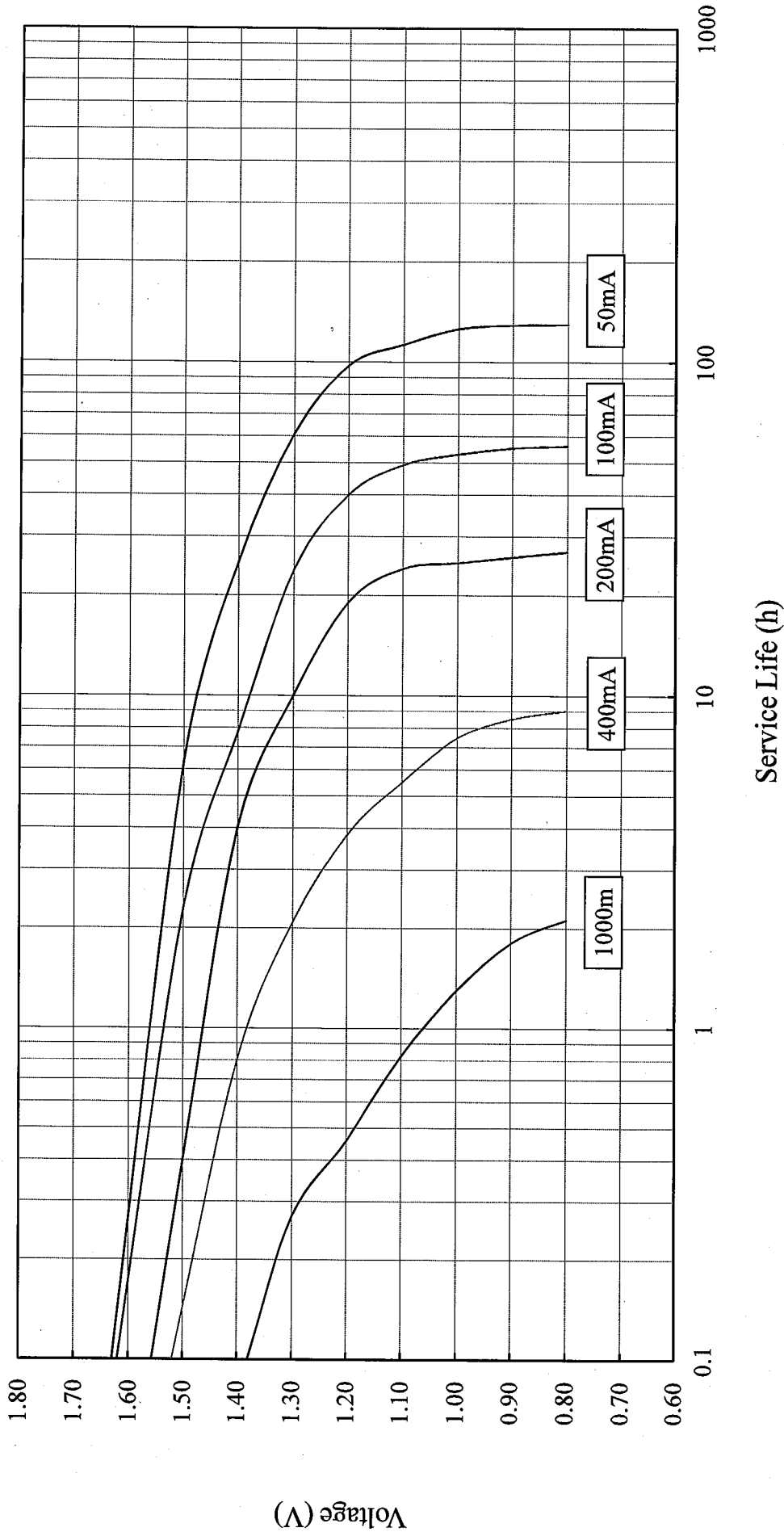


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LR14 Discharge Characteristics

Test Condition: Continuous Discharge, Initial, 20deg.C

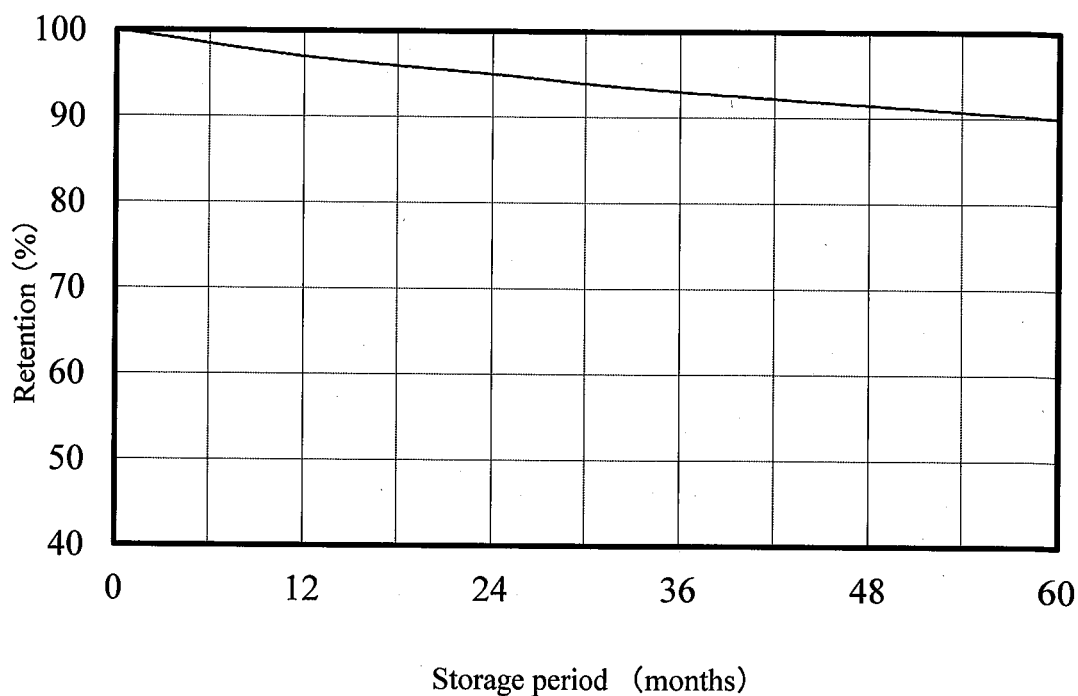


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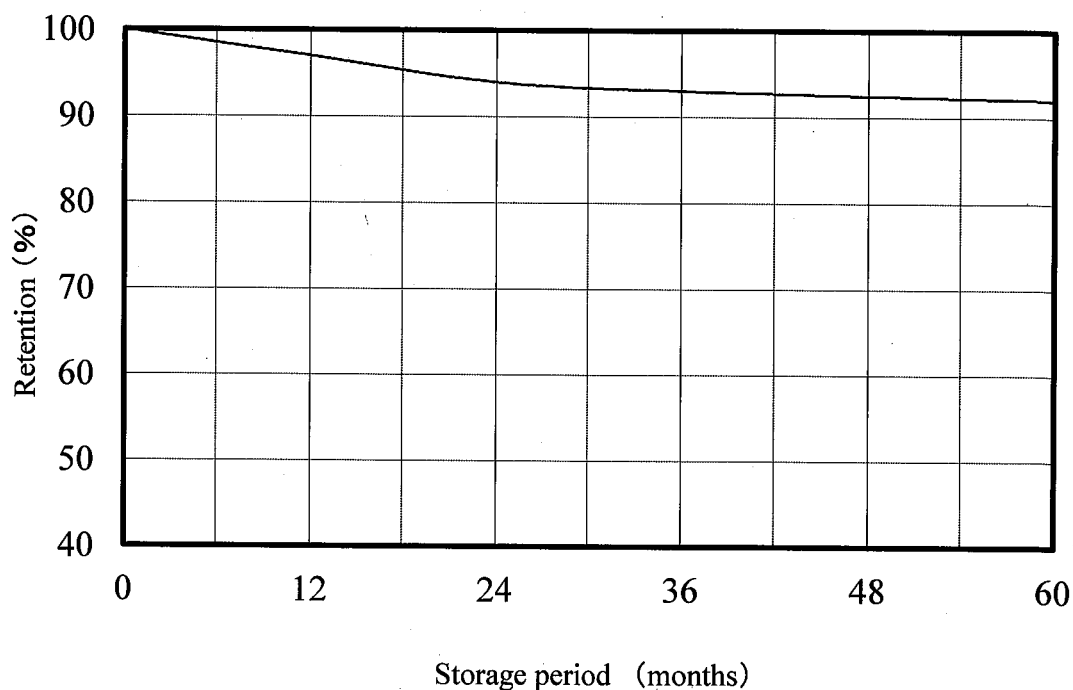
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LR14 Storage Characteristics

[①Discharge Condition: 3.9 Ω 1h/day End-Voltage 0.8V]



[②Discharge Condition: 20 Ω 4h/day End-Voltage 0.9V]



- [Note]
1. Discharge temperature, relative humidity: 20 $\pm$ 2 $^{\circ}$ C, (60 $\pm$ 15)%RH
 2. Storage temperature, relative humidity: 20 $\pm$ 2 $^{\circ}$ C, (60 $\pm$ 15)%RH
 3. Retention: Self-discharge rate

LR14 Leakage Performance

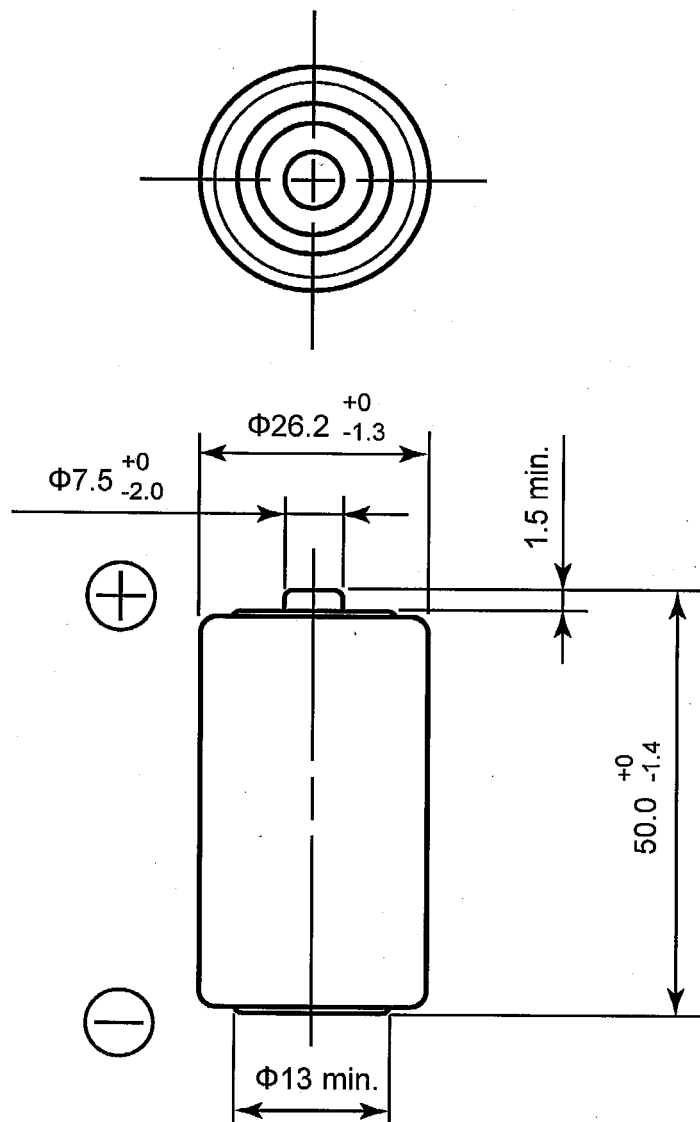
Test Items		Electrolyte Leakage (%)						
Test Condition	Storage Period	20days	40days	60days	90days	1year	2year	5years
	Room Temperature	0	0	0	0	0	0	0
Storage at High Temperature and High Humidity	45deg.C-70%RH	0	0	0	0	-	-	-
	60deg.C	0	0	0	-	-	-	-

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LR14 Battery Dimensions



Unit: mm

Terminals: Positive-cap terminal

Negative-base terminal

Outer Shell: Shrink-Label