



1. BATTERY TYPE AND RATINGS:

NOVA R20P NV-UM1EM SIZE D

2. CHEMICAL SYSTEM:

MnO₂ (positive)

Zinc shell (negative)

ZnCl₂ (electrolyte)

3. Nominal Voltage:

1.5V

4. Average weight:

92.0 ± 1.0 g

5. Nominal Capacity:

570mA/h (Discharge continuously with 3.9 at 20 ± 2 ,the Cut-off voltage is 0.9V) .

6. Electrical characteristics : (Average of 9 batteries, Test Temp: 20 ± 2)

Item	Off-load Voltage (V)	On-load Voltage (V) 3.9	Short circuit current (A)
Initial	1.65	1.45	6.5
After 12 months at normal temp.	1.60	1.40	5.5

7 . Swrvice out-put: (Average of 9 batteries, Test Temp: 20 ± 2)

Discharge condition	3.9 , 4 min/h, 8h/d	6.8 1h/d	20 4h/d	6.8 1h/d
End point Voltage	0.90V	0.90V	0.90V	0.80V
IEC	300min	9h	30h	272min
Initial	305min	9h	30h	275min
After 6 month at normal Temp.				230min



8. Appearance

ITEM	AQL (%)
1) Serious corrosion on metal parts	1.0
2) Damaged or seriously discolored	1.0
3) Adhering foreign matter	2.5
4) Display (Torn or damaged packs, defective or incorrect printing, dirty packs)	4.0
5) Inner cartons and outer (transport) containers (Illegible label or print, damaged corners, poorly sealed)	4.0

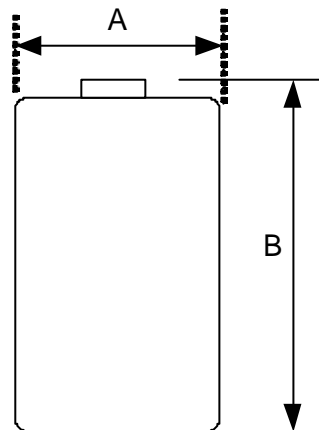
9 . Dimension

9.1 Assurance

AQL = 0.65%

A : $\bar{O}34.0 +0 / -2.0$

B : $61.5 +0 / -2.0$





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TECHNICAL SPECIFICATION

DRY BATTERY

MODEL: NV-UM1EM (R20P)

SUPER HEAVY DUTY

[MERCURY FREE]

Date FEB. 01, 2006

Sign GLOSO CO., LTD