

# GP Batteries

## Data Sheet

Model No.: GP1604AUP

**MERCURY FREE**

**Description** : Alkaline Manganese 9V Battery  
**Chemical System** : Alkaline Manganese Dioxide  
**Nominal Voltage** : 9.0 Volts  
**Operating Temp.** : -20 - 60 °C , 65 % RH Max.  
**Storage Temp.** : 15 - 25 °C , 45 - 75 % RH  
**Nominal Dimensions** : 25.5 (L) x 16.5 (W) x 47.5 (W) mm  
**Terminal** : Nickel plated miniature snap fasteners  
**Jacket** : Printed metal jacket  
**Internal Connection** : Welding  
**Application** : All electronics devices  
**Nominal Weight** : 48g  
**Date Code** : Unless otherwise specified, every battery will carry a 6-digits month-year (MM-YYYY) expiry code.

**Special Feature** : **World class explosion proof**

**Shelf Life** : 5 Years as below conditions,

### Electrical Characteristics

Test Items	Test Conditions 25±2°C 60±15% RH	Specification (Volt), min			
		3 Months	1 year	3 years*	5 years*
OCV		9.55 V	9.30 V	9.10 V	8.90 V
CCV	47 Ω, 0.3 sec	8.65 V	8.00 V	7.70 V	7.30 V

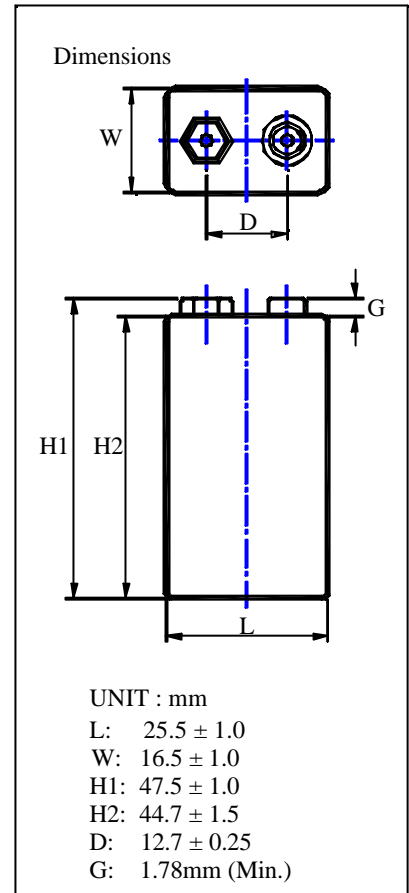
### Discharge Capacity

Test Items	Test Conditions 25 ± 2°C 60±15% RH (EV = End Voltage)	Specification (Hours), mean			
		3 Months	1 year	3 years*	5 years*
Duration	270 Ω Intermittent 1hr/day EV = 5.40V	20.5	20.2	18.7	16.7
	620 Ω Intermittent 2hr/day EV = 5.40V	49.0	47.5	45.0	44.0
	10 k Ω background 24 h/d, 620 Ω 1 s/h pulse EV = 7.50V	Specification (Days), mean			
		20.0	19.5	18.5	17.5

\* Storage performance are estimated.

### Cross References :

GP	JIS	IEC	EVEREADY	DURACELL
1604A	6LF22	6LF22	522	MN1604



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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.

Data Sheet: RPKS 9031 REV 4

06/2009

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