

Model No.: **GP1604AUP**

NO MERCURY ADDED	
Description	: Alkaline Manganese 9V Battery
Chemical System	: Alkaline Manganese Dioxide
Nominal Voltage	: 9.0 Volts
Nominal Dimensions	: 25.5 (L)mm x 16.5 (W)mm x 47.5 (H)mm
Operating Temp.	: -20 - 60 °C , 65 % RH Max
Storage Temp.	: 15 - 25 °C , 45 - 75 % RH
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 (MM-YYYY) expiry code.
Special Feature	: World class explosion proof
Shelf Life	: 5 years as below conditions

Cross References:

GP	JIS	IEC	Eveready	Duracell
1604A	6LP3146	6LP3146	522	MN1604

Electrical Characteristics

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

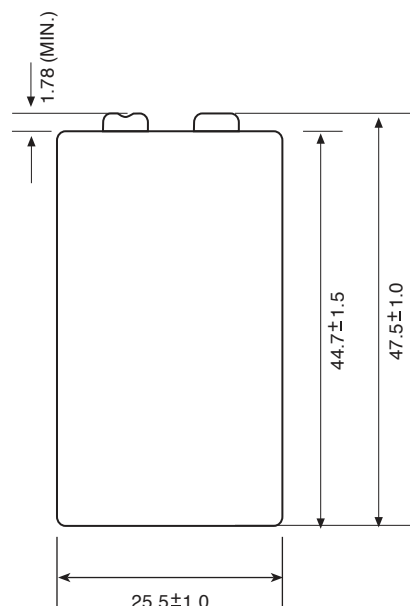
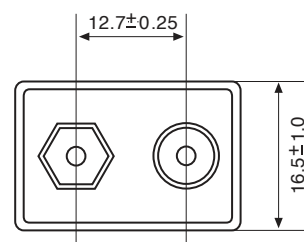
Discharge Capacity

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 1 h/d EV=5.40V	20.5	20.2	18.7	16.7
	620 Ω Intermittent 2 h/d EV=5.40V	49.0	47.5	45.0	44.0
	10 kΩ 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 is estimated.

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Unit : mm

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