

<b>NO MERCURY AND CADMIUM ADDED</b>	
<b>Description</b>	: Alkaline Manganese 9V Battery
<b>Chemical System</b>	: Alkaline Manganese Dioxide
<b>Nominal Voltage</b>	: 9.0 Volts
<b>Operating Temp.</b>	: -20°C ~ 60°C, 65% RH Max.
<b>Storage Temp.</b>	: 15°C ~ 25°C, 45% RH ~ 75% RH
<b>Nominal Dimensions</b>	: 25.5(L) x 16.5(W) x 47.5(H)mm
<b>Terminal</b>	: Nickel plated miniature snap fasteners
<b>Jacket</b>	: Printed metal jacket
<b>Internal Connection</b>	: Welding
<b>Application</b>	: All electronic devices
<b>Nominal Weight</b>	: 47g
<b>Date Code</b>	: Unless otherwise specified, every battery will carry a 6-digits month-year (MM-YYYY) expiry code.
<b>Special Feature</b>	: World class explosion proof
<b>Shelf Feature</b>	: 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		9.30V	9.20V	9.00V	8.80V
CCV	47Ω, 0.3s	8.00V	7.80V	7.50V	7.20V

### 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	270Ω Intermittent 1 h/d EV = 5.4V	20.0	19.7	18.2	16.2
	620Ω Intermittent 2 h/d EV = 5.4V	48.2	47.2	44.7	40.7
	10k Ω background 24 h/d, 620Ω 1 s/h pulse EV = 7.5V	Specification (Days), mean			
		19.0	18.5	17.5	16.5

\* Storage performance are estimated.

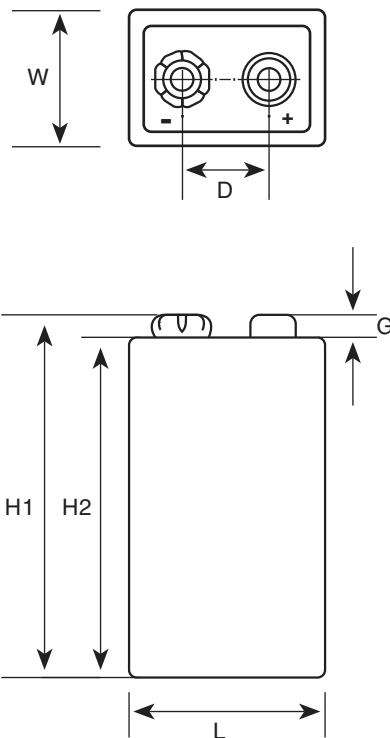
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## Model No.: GN1604A

FOR INDUSTRIAL MARKET ONLY

### Dimensions



L : 25.5 ± 1.0  
W : 16.5 ± 1.0  
H1 : 47.5 ± 1.0  
H2 : 44.7 ± 1.5  
D : 12.7 ± 0.25  
G : 1.78mm (Min.)

Unit : mm

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