

GP Batteries

Data Sheet

Model No. : GP1604A

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 (H) mm
Terminal	: Nickel plated miniature snap fasteners
Jacket	: Printed metal jacket
Internal Connection	: Welding
Application	: All electronics devices
Nominal Weight	: 47 g
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		9.30 V	9.20 V	9.00 V	8.80 V
CCV	47 Ω, 0.3 s	8.00 V	7.80 V	7.50 V	7.20 V

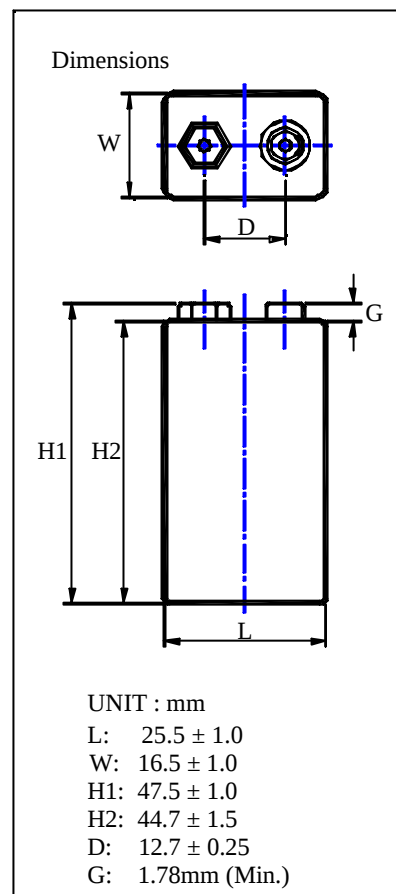
Discharge Capacity

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 1 h/d EV = 5.40 V	20.0	19.7	18.2	16.2
	620 Ω Intermittent 2 h/d EV = 5.40 V	48.2	47.2	44.7	40.7
	10 kΩ background 24 h/d, 620 Ω 1 s/h pulse EV = 7.50 V	Specification (Days), mean			
		19.0	18.5	17.5	16.5*

* Storage performance is 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

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