

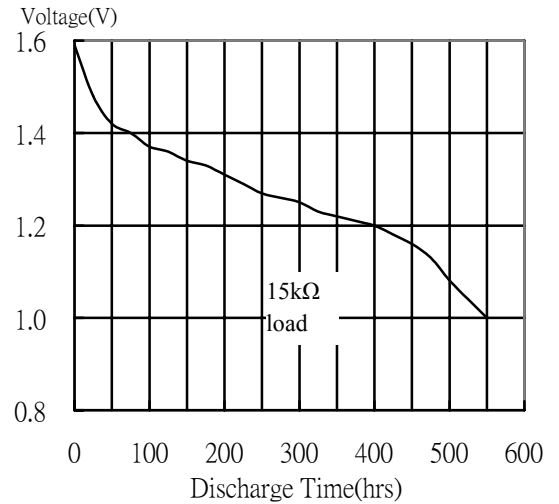
GP Batteries

Data Sheet

Model No.: GP189

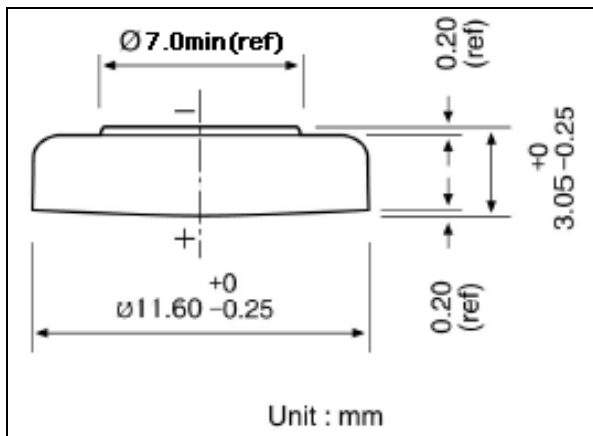
Type	: Alkaline Low Drain Button Cell
Chemical System	: Alkaline Manganese Dioxide
Nominal Voltage	: 1.5Volts
Nominal Dimensions	: $\varnothing 11.6\text{mm} \times 3.05\text{mm}$
Application	: Watch (with alarm), calculator, electronic toys, melody card, ... etc.
Average Weight	: 1.0g
Date Code	: Unless otherwise specified, each cell will carry a numeric year code and an alphabetical month code.
Shelf Life	: Not less than 90% of the service capacity within first year. , not less than 85% of the service capacity with third year storage at $20 \pm 2^\circ\text{C}$ 5%RH.
Close Circuit Voltage	: 1.30 Volts (min.)(load resistor 100Ω at $20 \pm 2^\circ\text{C}$ for 0.1 to 2 seconds)
Nominal Service Life	: 660hrs (at 20 k Ω load) (to 1.0V at $20 \pm 2^\circ\text{C}$) 140 days (at 100 k Ω load)
Average Service Capacity	: 44mAh(at 15 k Ω load) (to 1.0V at $20 \pm 2^\circ\text{C}$)

Typical Discharge characteristics at $20 \pm 2^\circ\text{C}$



Cross References:

IEC	JIS	Eveready	Varta	Duracell
LR54	LR5	4	189	V10GA LR54



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