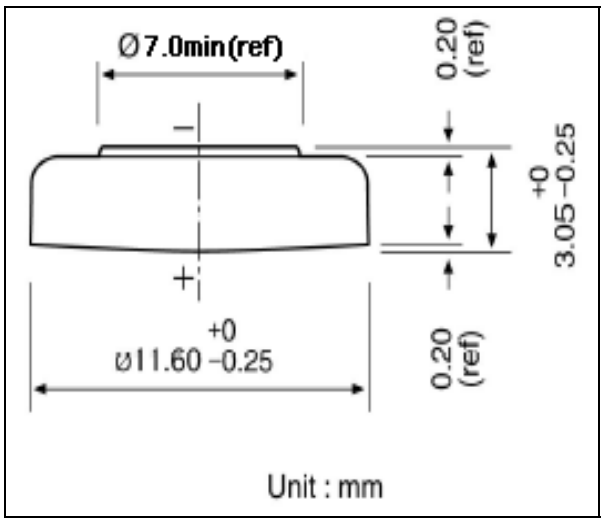
GP Batteries DATA SHEET

Type	:	Alkaline Low Drain Button Cell
Chemical System	:	Alkaline Manganese Dioxide
Nominal Voltage	:	1.5Volts
Nominal Dimensions	:	Ø11.6mm×3.05mm
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 ±2 °C 45-75%RH
Close Circuit Voltage	:	1.30Volts (min.)(load resistor 100Ω at 20 ± 2 °C for 0.1 to 2 seconds)
Nominal Service Life(to 1.0V at 20 ±2 °C)	:	660hrs (at 20 kΩ load) 140 days (at 100 kΩ load)
Average Service Capacity (to 1.0V at 20 ±2 °C)	:	44mAh(at 15 kΩ load)

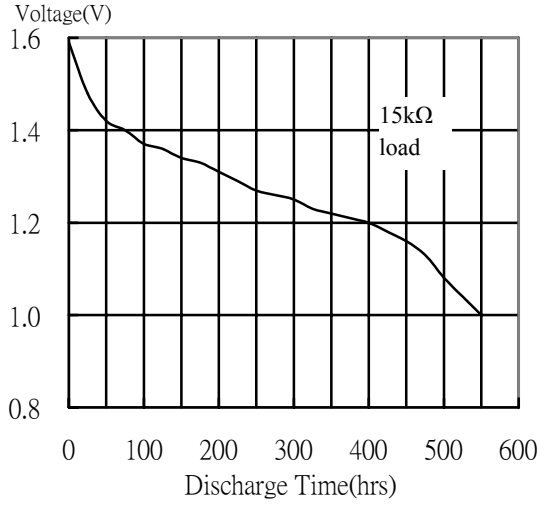
Cross References:

IEC	JIS	Eveready	Varta	Others
LR54	LR1130	189	V10GA	LR54

Model No.: GP189



Typical Discharge characteristics at 20 ± 2 °C



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