



EN: This Datasheet/Document is presented by the manufacturer.

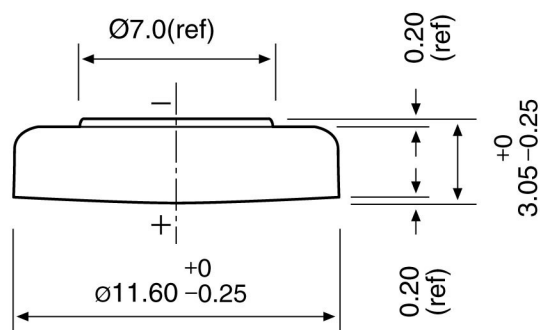
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GP Batteries

Data Sheet

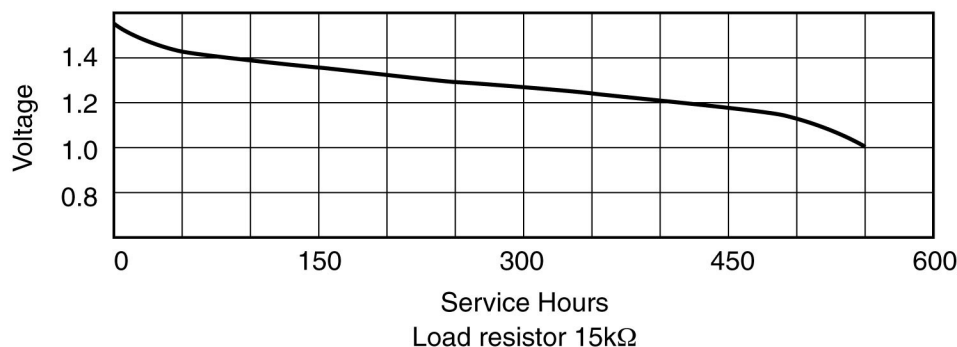
Model No.: 189

Description : Alkaline Low Drain Button Cell
Nominal Voltage : 1.50 Volts
Nominal Dimensions : Ø11.6 X 3.05mm
Applications : Watch (with alarm), calculator,
electronic toys, melody card, etc.
Average Weight : 1.0g
Shelf Life : Not less than 90% of the
service capacity, for 1 year
storage at 20°C.
Date Code : Unless otherwise specified,
each cell will carry a numeric
year code and an analog
month code.
Nominal Service Life : 660 hrs (at 20kΩ Load)
(to 1.0V at 20°C) 140 days (at 100kΩ Load)



Unit : mm

Typical Discharge Characteristics at 20°C



Average Service Capacity:
44mAh (rated capacity at 15kΩ load,
cut off voltage 1.0V at 20°C)

Close circuit voltage:
1.30 Volts (min.) (load resistor 100Ω at
20°C for 0.1 to 2 seconds)

Cross Reference:

IEC	JIS	Eveready	Varta	Duracell
LR54	LR54	189	V10GA	LR54