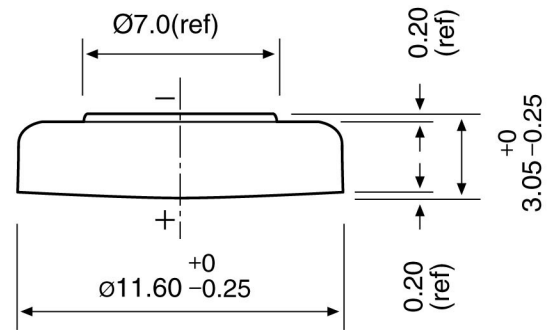


GP Batteries

Data Sheet

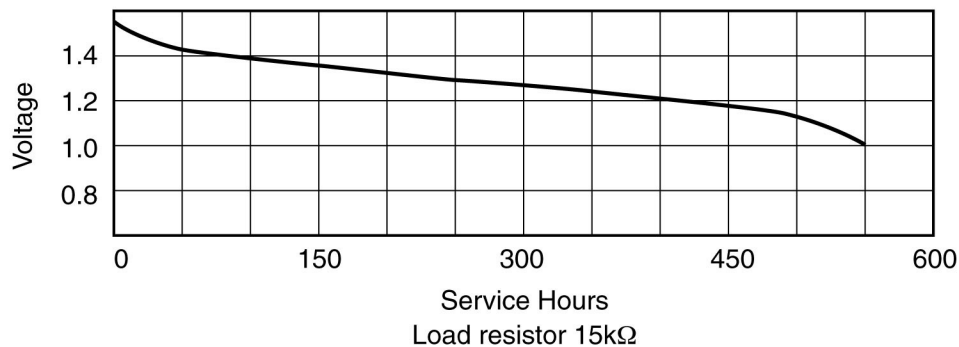
Model No.: 189

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