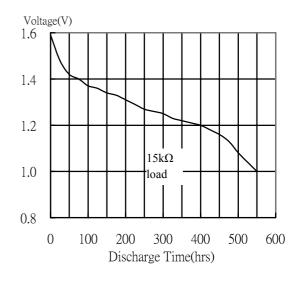
## **GP** Batteries

## Data Sheet

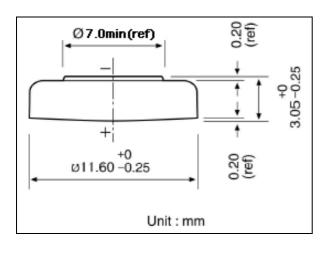
Туре	: Alkaline Low Drain Button Cell			
Chemical System	: Alkaline Manganese Dioxide			
Nominal Voltage	: 1.5Volts			
Nominal Dimensions	: Ø11.6mm×3.05mm			
Application	: Watch (with alarm), calculator,			
	electronic toys, melody card, etc.			
Average Weight	: 1.0g			
Date Code	: Unless otherwise specified, 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 $\pm$ 2 $^{\circ}$ C			
	45-75%RH.			
Close Circuit Voltage	: 1.30 Volts (min.)(load resistor 100Ω			
	at 20 $\pm$ 2 °C for 0.1 to 2 seconds)			
Nominal Service Life	: 660hrs (at 20 kΩ load)			
(to 1.0V at 20 ± 2 °C)	140 days (at 100 kΩ load)			
Average Service Capacity : 44mAh(at 15 kΩ load)				
(to 1.0V at 20 ± 2 °C)				

## Model No.: GP189

## Typical Discharge characteristics at 20 ± 2 °C



Cross Re IEC	ferences: JIS	Eveready	/ Varta	Duracell
LR54	LR54	189	V10GA	LR54



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