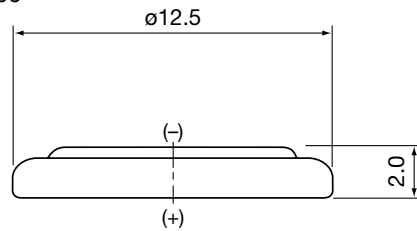


**Model**  
**System**  
**Nominal Voltage (V)**  
**Nominal Capacity (mAh)\***  
**Nominal Discharge Current ( $\mu$ A)**  
**Charge/Discharge Cycle Lifetime**  
     **Depth of Discharge = 10%**  
     **Depth of Discharge = 20%**  
**Operating Temperature Ranges (deg. C)**  
  
**Weight (g)\*\***  
**Dimensions (mm)\*\***  
     **Diameter**  
     **Height**  
**UL Recognition**

ML1220  
 (Li-Al) alloy-Manganese Dioxide/Organic Electrolyte  
 3  
 18  
 100  
  
 1,500 (1.8 mAh discharge) (total capacity 2,700 mAh)  
 500 (3.6 mAh discharge) (total capacity 1,800 mAh)

**min.**    **max.**  
 -20      +60  
 0.7

12.5  
 2.0  
 MH12568

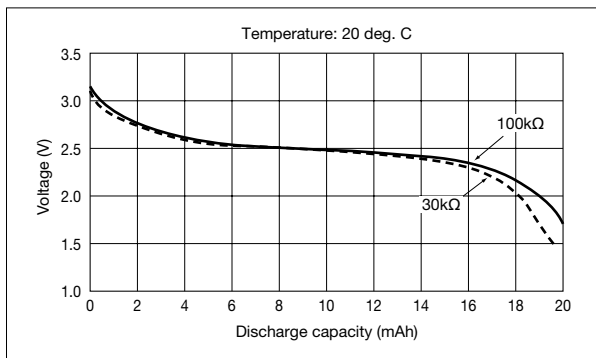


## Available Terminals and Wire Connectors

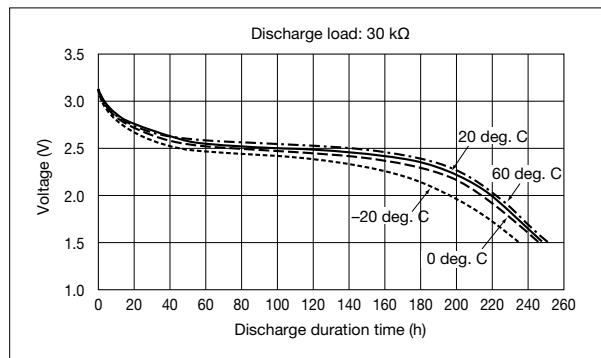
Check [http://www.maxell.co.jp/e/products/industrial/battery/pdf/ml1220tw\\_e.pdf](http://www.maxell.co.jp/e/products/industrial/battery/pdf/ml1220tw_e.pdf) for diagrams of batteries with terminals.

## Characteristics

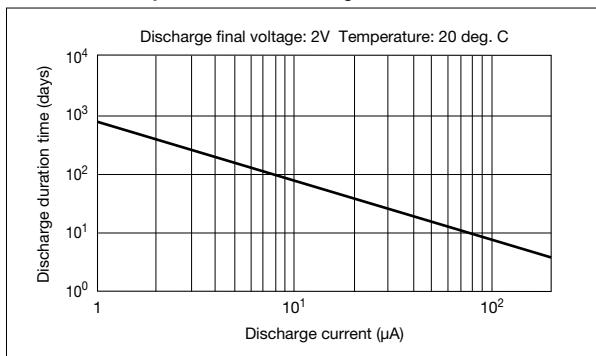
### ● Discharge Characteristics



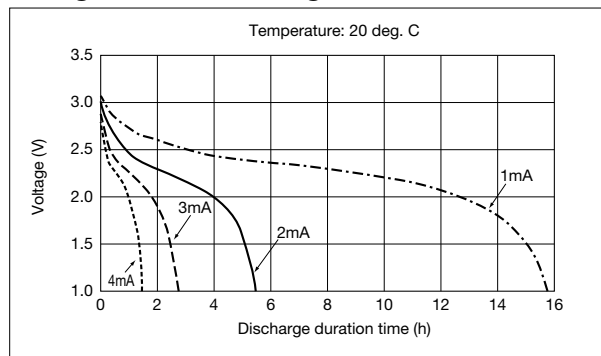
### ● Temperature Characteristics



### ● Relationship between Discharge Current and Duration Time

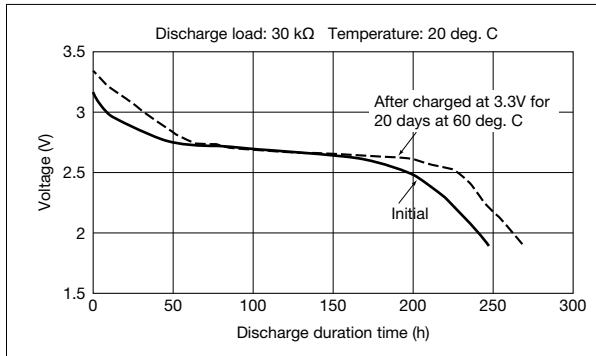


### ● High Rate Discharge Characteristics

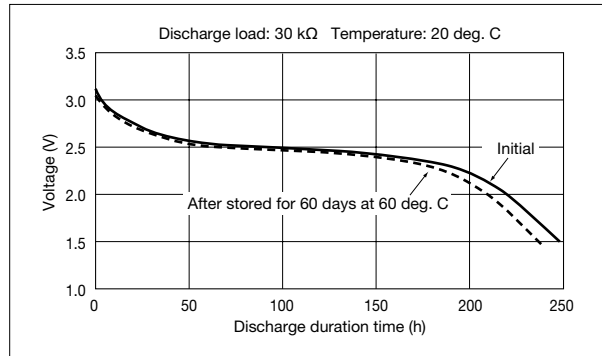


## Characteristics

### ● Over Charge Characteristics



### ● Storage Characteristics



\* Nominal capacity indicates duration until the voltage drops down to 2.0V when discharged at a nominal discharge current at 20 deg. C.

\*\* Dimensions and weight are for the battery itself, but may vary depending on the shape of terminals or other factors.