

Lithium Manganese Dioxide Battery

CR2032

■ Dimensions (mm)

Diameter : 20.0mm
Height : 3.20mm

Top view dimensions: $\varnothing 20.0^{+0}_{-0.15}$, $\varnothing 16.9$

Side view dimensions: 0.10MIN, $3.2^{+0}_{-0.3}$

Terminals: (-) on top, (+) on bottom

■ Specifications

Nominal Voltage	3V
Nominal Capacity (2.5V cutoff)	220mAh
Recommended Continuous Drain	0.3mA
Recommended Pulse Drain	12mA
Weight	3.2g

Applications

- Electronic Watch or Clock ● Card Radio
- Remote Controller ● Electronic Game, Toy
- Memory Back-up Power Source for SRAM or Real Time Clock (RTC)

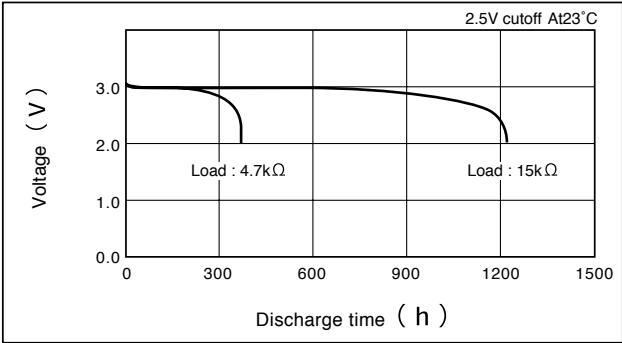
■ Discharge Characteristics

2.5V cutoff At 23°C

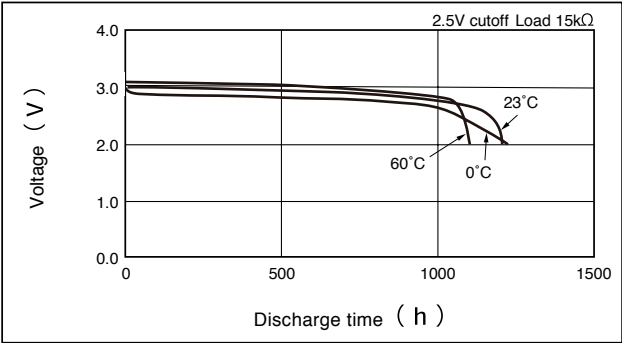
Legend: — = 15kΩ, - - - = 10kΩ

Discharge time (h)	Voltage (V) at 15kΩ	Voltage (V) at 10kΩ
0	3.0	3.0
300	2.98	2.95
600	2.95	2.85
900	2.9	2.5
1200	2.5	-

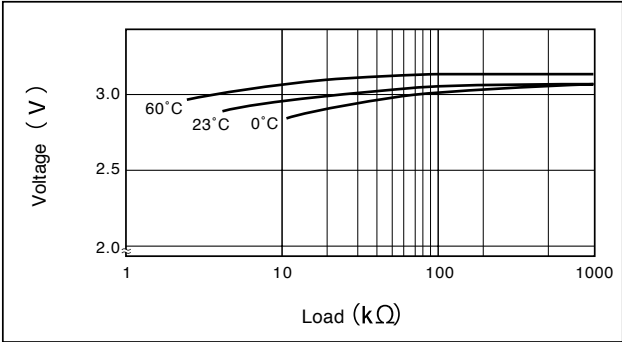
Discharge Characteristics on Load



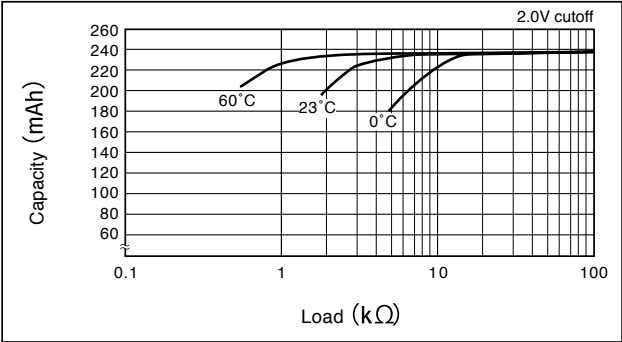
Discharge Characteristics on Temperature



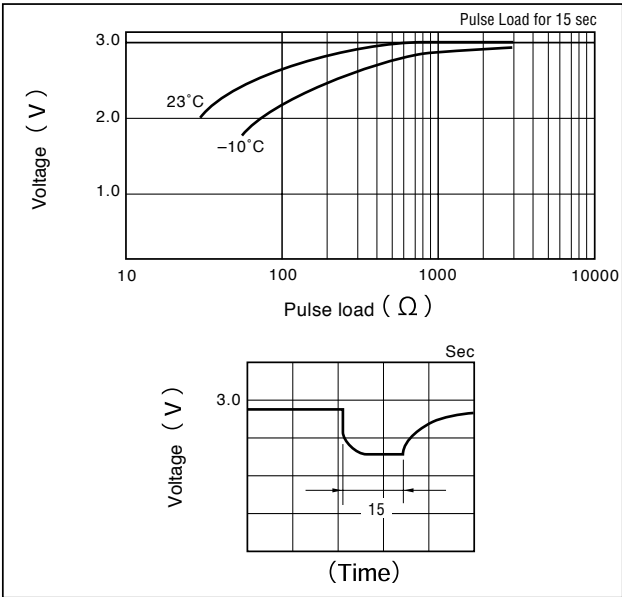
Discharge Load vs. Operation Voltage (Discharge depth 40%)



Discharge Load vs. Discharge Capacity



Discharge Characteristics on Pulse Load (Discharge depth 40%)



Storage Characteristics

