

**battery type:** lithium primary battery  
**battery size:** CR-123A (CR-17345)  
**chemical system:** Manganese Dioxide Lithium Battery

**nominal voltage:** 3.0 V  
**open circuit voltage:** 3.0...3.5 V  
**closed circuit voltage:** 2.9...3.4 V

**conditions, remarks**  
 new battery  
 measured after 1s under load of 50Ω

**capacity** measurements at 23°C ambient; new battery

**rated:** 1500 mAh discharge at 10mA constant; 24hours/day  
 End Voltage (EV): 2.0V

**minimum:** 1425 mAh discharge at 15mA constant; 24hours/day  
 End Voltage (EV): 2.0V

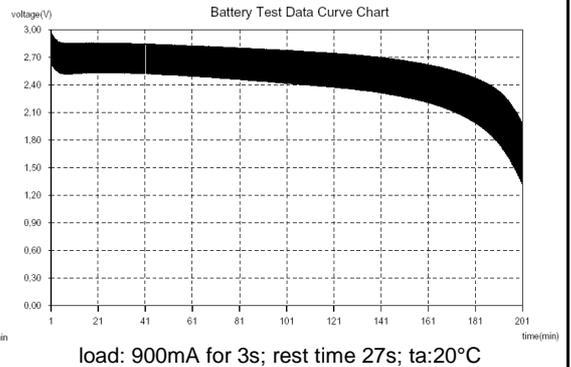
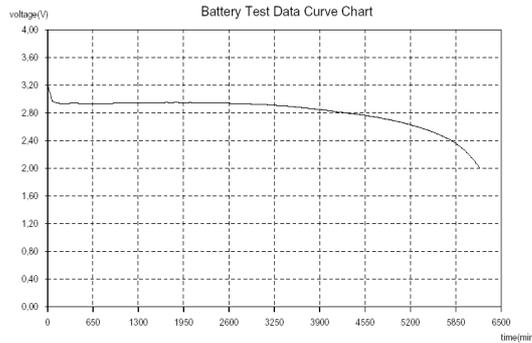
1000 mAh discharge at 1000mA constant; continuous  
 End Voltage (EV): 1.0V

**duration** new battery

**pulse load:** load: 900mA for 3s, rest time 27s  
 1600 cycles at 23°C; End Voltage (EV): 1.55V

load: 1200mA for 3s, rest time 7s  
 1000 cycles at 23°C; End Voltage (EV): 1.55V

**discharge diagrams**



**max. continuous discharge current:** 1500 mA at 20°C

**internal resistance:** ≤ 0.5 Ω sine wave AC method (1kHz; 0.1mA)  
 according to IEC 896-2

**shelf life:** 10 years under proper storage conditions

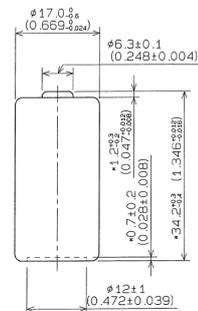
**ambient temperature range:**  
 - 20...60 °C operating temperature  
 - 20...45 °C storage temperature  
 5...20 °C recommended storage temperature

**relative humidity:** ≤ 70% during storage

**mechanical specifications**

cell dimensions

**diameter:** 17.0 - 0.7 mm  
**height:** 34.5 - 1.0 mm  
**weight:** 17 ± 2 g



	<b>ANSMANN Specifications for model:</b>	<b>CR-123A Lithium Battery bulk package</b>
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