| battery type: battery size: chemical system: | | lithium primary battery CR-123A (CR-17345) Manganese Dioxide Lithium Ba | attery | |
|---|--|--|---|--|
| | | conditions, remarks | | |
| nominal voltage: open circuit voltage: closed circuit voltage: | 3.0 V 3.03.5 V 2.93.4 V | new battery measured after 1s under load | of 50Ω | |
| capacity | | measurements at 23°C ambier | nt; 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 End Voltage (EV): 1.0V | ;; continuous | |
| duration | | new battery | | |
| pulse load: | | load: 900mA for 3s, rest time 2 | 27s | |
| puloo loudi | 1600 cycles at 23°C; End Voltage (EV): 1.55V | | | |
| | 1000 cycles | load: 1200mA for 3s, rest time at 23°C; End Voltage (EV): 1.5 | | |
| discharge diagrams | 4,00 Battery T | est Data Curve Chart voltage(V) | Battery Test Data Curve Chart | |
| | 3,60 | 2,70 | | |
| | 3.20 | 2,40 | | |
| | 2.80 | 2,10 | | |
| | 2.40 | 1.80 | | |
| | 1.60 | 1.00 | | |
| | 1.20 | | | |
| | 0.80 | | | |
| | 0,40 | 0.30 | | |
| | 0,00 0 650 1300 1950 2600 | 3250 3900 4550 5200 5850 6500 1 | 21 41 61 81 101 121 141 161 181 201 time(min) | |
| | load: 15m | A; 24h/d; ta: 20°C | load: 900mA for 3s; rest time 27s; ta:20°C | |
| 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 | | | | |
| | | operating temperature | | |
| | - 2045 °C 520 °C | storage temperature | atura | |
| | 520 | recommended storage temper | alure | |
| relative humidity: | ≤ 70% | during storage | 5 3 4 A | |
| mechanical specificat | ions | | 6.3±0.1 0.248±0.004) | |
| cell dimensions | | | | |
| diameter: | 17.0 - 0.7 | mm and a second se | | |
| height: weight: | 34.5 - 1.0 17 ± 2 | mm g mm | 0.7-0.2 (0.057%388) 34.228 (1.3405.000) 34.228 (1.3405.000) | |
| shrink package | | 23 | | |
| dimensions: | 100 x 34 x 17 | mm | | |
| weight (incl. batteries): | 102 ± 10 | | 1 12±1 (2±0.039) 96 | |
| | ANSMANN Sp | ecifications for model: | CR-123A Lithium Battery 6 pcs shrink package | |
| | ø data sheet no. / | part no. | 5020011-02 | |
| | Version no. | | | |
| | author / date | | TG / 29.04.2013 | |
| Manufact | | alter or amend the design, model an | | |

 author / date
 TG / 29.04.2013

 Manufacturer reserves the right to alter or amend the design, model and specification without prior notice