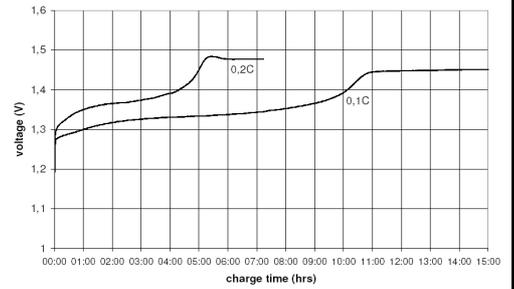


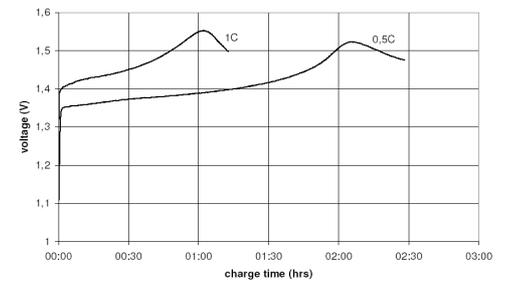
|  |   | Conditions   |             |
|--|---|--|-------------|
| <b>cell type:</b>                                  | NiMH  |  |             |
| <b>cell size:</b>                                  | AA  |  |             |
| <b>nominal voltage:</b>                            | 1.2 V   |  |             |
| <b>max. charge voltage:</b>                        | 1.5 V   | at standard charge (0.1C / 20°C)   |             |
| <b>capacity</b>                                    |   |  |             |
| nominal:   | 800 mAh   | discharge at 0.2C  |             |
| minimum:   | 800 mAh   | discharge at 0.2C  |             |
|  | 750 mAh   | discharge at 1C  |             |
|  |   | 1.0V end discharge voltage   |             |
|  |   | ta: 20°C   |             |
| <b>max. continuous discharge current:</b>          | 2400 mA   | ta: 0...45°C   |             |
| <b>charge</b>                                      |   | current  | time        |
| standard charge:                                   | 80 mA   | 240 mA   | 14....16hrs |
| quick charge:                                      | 240 mA  | 800 mA   | 4hrs        |
| fast charge:                                       | 800 mA  |  | 1.1hrs      |
| recommended charge termination control parameters: | 0...5 mV<br>0.8...1 °C<br>45...50 °C  | - ΔV (-deltaV)<br>temperature rise per minute<br>TCO (temperature cut off)                                     |             |
| trickle charge current:                            | 5...25 mA   | (recommended)  |             |
| continuous overcharge: (less than 1 year)          | ≤ 80 mA   | no conspicuous deformation<br>no leakage   |             |
| <b>internal resistance:</b> (impedance)            | ≤ 50 mΩ   | at 1KHz<br>battery fully charged   |             |
| <b>life expectancy:</b>                            | ≥ 500 cycles  | acc. IEC standard  |             |
| <b>self discharge</b>                              |   |  |             |
| charge retention:                                  | ≥ 80 %  | after 12 months<br>storage at 20°C   |             |
| <b>initial capacity:</b>                           | ≥ 550 mAh   | within 30 days after delivery<br>discharge at 0.2C   |             |
| <b>ambient temperature range:</b>                  | 0...45 °C<br>10...40 °C<br>- 20...65 °C<br>- 20...50 °C<br>- 20...40 °C<br>- 20...30 °C | standard charge<br>fast charge<br>discharge<br>storage (≤3months)<br>storage (≤6months)<br>storage (≤24months) |             |
| QCT1:  | 20/750/50   |  |             |
| QCT2:  | 30/700/55   |  |             |

### Diagrams

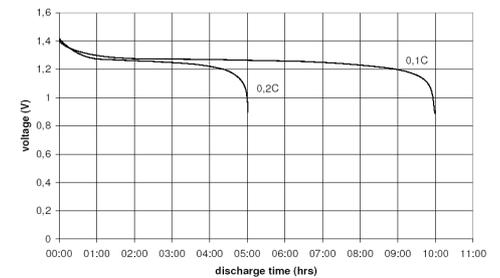
standard charge



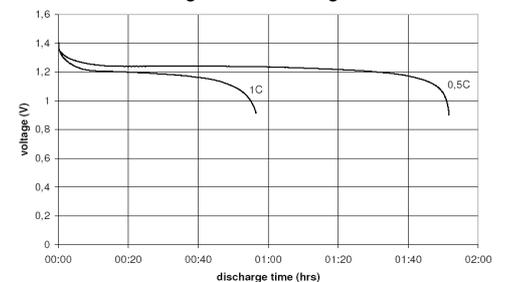
fast charge



low rate discharge

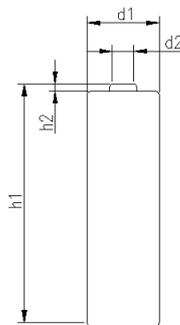


high rate discharge



### mechanical specifications

| cell dimensions                             |      |            |    |
|---|------|------------|----|
| diameter d1:                                |      | 14.3 - 0.7 | mm |
| diameter d2:                                | max. | 5.5        | mm |
| height h1:                                  |      | 50.4 - 0.5 | mm |
| height h2:                                  | min. | 1.2        | mm |
| weight:                                     |      | 17 ± 2     | g  |
| blister card dimensions: 123 x 85 mm        |      |            |    |
| blister card weight (incl. batteries): 42 g |      |            |    |



### ANSMANN Specifications for model:

|                           |                 |
|---------------------------|-----------------|
| data sheet no. / part no. | 5035513         |
| supplier no.              | 702069          |
| author / date             | TG / 02.07.2018 |

### AA - 800mAh low self discharge SOLAR 2pcs blister package