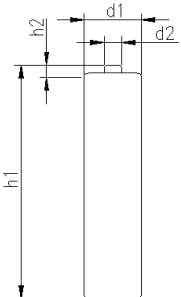





|   |  | Conditions                          | Diagrams  |
|---|--|-------------------------------------|---|
| <b>cell type:</b>   |  | NiMH                                |   |
| <b>cell size:</b>   |  | AAA                                 |   |
| <b>nominal voltage:</b>   | 1.2                                      | V                                   |   |
| <b>max. charge voltage:</b>   | 1.5                                      | V                                   |   |
|   |  | at standard charge<br>(0.1C / 20°C) |   |
| <b>capacity</b>   |  |                                     |   |
| nominal:  | 800                                      | mAh                                 |   |
| minimum:  | 800                                      | mAh                                 |   |
|   | 760                                      | mAh                                 |   |
|   |  | discharge at 0.2C                   |   |
|   |  | discharge at 0.2C                   |   |
|   |  | discharge at 1C                     |   |
|   |  | 1.0V end discharge voltage          |   |
|   |  | ta: 20°C                            |   |
| <b>max. continuous discharge current:</b>   | 1600                                     | mA                                  | ta: 0...45°C  |
| <b>charge</b>   | current                                  | time                                |   |
| standard charge:  | 80                                       | mA                                  | 14...16hrs  |
| quick charge:   | 250                                      | mA                                  | 4hrs  |
| fast charge:  | 800                                      | mA                                  | 1.1hrs  |
| recommended charge termination control parameters:                                  | 0...5                                    | mV                                  | - delta V   |
|   | 0.8...1                                  | °C                                  | temperature rise per minute   |
|   | 45...50                                  | °C                                  | TCO (temperature cut off)   |
| trickle charge current:   | 8...30                                   | mA                                  | (recommended)   |
| continuous overcharge:<br>(less than 1 year)  | ≤ 80                                     | mA                                  | no conspicuous deformation<br>no leakage  |
| <b>internal resistance:</b><br>(impedance)  | ≤ 45                                     | mΩ                                  | at 1KHz<br>battery fully charged  |
| <b>life expectancy:</b>   | ≥ 500                                    | cycles                              | acc. IEC standard   |
| <b>self discharge</b>   |  |                                     |   |
| charge retention:   | ≥ 75                                     | %                                   | 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                                  | standard charge   |
|   | 10...40                                  | °C                                  | fast charge   |
|   | - 20...55                                | °C                                  | discharge   |
|   | - 20...50                                | °C                                  | storage (≤3months)  |
|   | - 20...40                                | °C                                  | storage (≤6months)  |
|   | - 20...30                                | °C                                  | storage (≤24months)   |
| QCT1:   | 20/700/50                                |                                     |   |
| QCT2:   | 30/600/50                                |                                     |   |
| <b>mechanical specifications</b>  |  |                                     |   |
| cell dimensions (incl. label)   |  |                                     |   |
| diameter d1:  | 10.5 - 0.3                               | mm                                  |   |
| diameter d2:  | 5.0 ± 1                                  | mm                                  |   |
| height h1:  | 44.5 - 1.5                               | mm                                  |   |
| height h2:  | 0 + 1                                    | mm                                  |   |
| weight:   | 12 ± 2                                   | g                                   |   |
|   |  |                                     |    |
|   |  |                                     |   |
|   |  |                                     |  |
|   |  |                                     | 51  |
|  | <b>ANSMANN Specifications for model:</b> |                                     | <b>AAA - 800mAh NiMH RTU battery</b>  |
|   | data sheet no. / part no.                |                                     | 2311-3003   |
|   | supplier no.                             |                                     | 701344  |
|   | author / date                            |                                     | TG / 10.03.2016   |