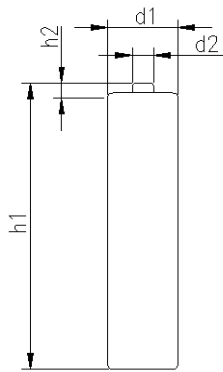


| | | Conditions | Diagrams |
|--|---|--|----------|
| cell type: | NiMH | | |
| cell size: | AAA | | |
| nominal voltage: | 1.2 V | | |
| max. charge voltage: | 1.5 V | at standard charge (0.1C / 20°C) | |
| capacity | | | |
| nominal: | 550 mAh | discharge at 0.2C | |
| minimum: | 550 mAh | discharge at 0.2C | |
| | 500 mAh | discharge at 1C | |
| | | 1.0V end discharge voltage | |
| | | ta: 20°C | |
| max. continuous discharge current: | 1650 mA | ta: 0...45°C | |
| charge | current | time | |
| standard charge: | 55 mA | 14...16hrs | |
| quick charge: | 170 mA | 4hrs | |
| fast charge: | 550 mA | 1.1hrs | |
| recommended charge termination control parameters: | 0...5 mV 0.8...1 °C 45...50 °C | - ΔV (-deltaV) temperature rise per minute TCO (temperature cut off) | |
| trickle charge current: | 5...15 mA | (recommended) | |
| continuous overcharge: (less than 1 year) | ≤ 55 mA | no conspicuous deformation no leakage | |
| internal resistance: (impedance) | ≤ 70 mΩ | at 1KHz battery fully charged | |
| life expectance: | ≥ 500 cycles | acc. IEC standard | |
| self discharge | | | |
| charge retention: | ≥ 75 % | after 12 months storage at 20°C | |
| initial capacity: | ≥ 400 mAh | within 30 days after delivery discharge at 0.2C | |
| ambient temperature range: | 0...45 °C 10...40 °C - 20...65 °C - 20...50 °C - 20...40 °C - 20...30 °C | standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months) | |
| QCT1: | 20/500/50 | | |
| QCT2: | 30/450/55 | | |
| mechanical specifications | | | |
| cell dimensions | | | |
| diameter d1: | 10.3 - 0.7 mm | | |
| diameter d2: | max. 3.8 mm | | |
| height h1: | 44.5 - 1.5 mm | | |
| height h2: | min. 0.8 mm | | |
| weight: | 12.5 ± 2 g | | |



| | | |
|--|--|--|
| | ANSMANN Specifications for model: | NiMH Battery |
| | data sheet no. / part no. | AAA - 550mAh low self discharge |
| | supplier no. | 704271 |
| | author / date | TG / 31.07.2018 |