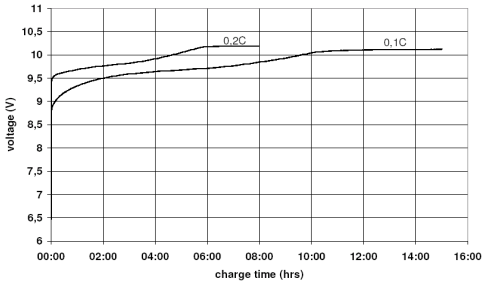
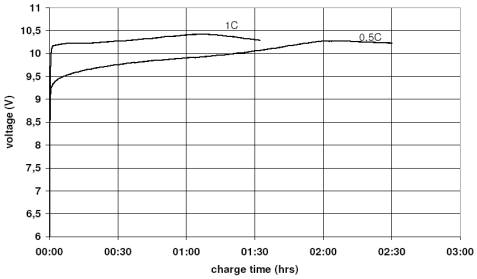
| | | | Conditions |
|---|---|---|---|
| **cell type:** | | NiMH | |
| **cell size:** | | E-block | |
| **nominal voltage:** | 8.4 | V | |
| max. charge voltage: | 10.5 | V | at standard charge (0.1C / 20°C) |
| **capacity** | | | |
| nominal: | 200 | mAh | discharge at 0.2C |
| minimum: | 200 | mAh | discharge at 0.2C |
| | 180 | mAh | discharge at 1C |
| | | | 7.0V end discharge voltage |
| | | | ta: 20°C |
| **max. continuous discharge current:** | 400 | mA | ta: 0....45°C |
| **charge** | current | | time |
| standard charge: | 20 | mA | 14....16hrs |
| quick charge: | 60 | mA | 4hrs |
| fast charge: | 200 | mA | 1.2hrs |
| recommended charge termination control parameters: | 15....35 | mV | - delta V |
| | 120 | % | of nominal input |
| | | | by timer cut off |
| trickle charge current: | 2...10 | mA | (recommended) |
| continuous overcharge: (less than 1 year) | ≤ 20 | mA | no conspicuous deformation |
| | | | no leakage |
| **internal resistance:** (impedance) | ≤ 0.8 | Ω | at 1KHz |
| | | | battery fully charged |
| **life expectance:** | ≥ 500 | cycles | acc. IEC standard |
| **self discharge** | | | |
| charge retention: | ≥ 85 | % | after 6 months storage |
| (at ≤ 20°C ambient) | ≥ 80 | % | after 12 months storage |
| **initial capacity:** | ≥140 | mAh | within 30 days after delivery |
| | | | discharge at 0.2C |
| **ambient temperature range:** | 0...45 | °C | standard charge |
| | 10...40 | °C | fast charge |
| | 0...45 | °C | discharge (≥1C) |
| | - 20...65 | °C | discharge (<1C) |
| | - 20...50 | °C | storage (≤3months) |
| | - 20...40 | °C | storage (≤6months) |
| | - 20...30 | °C | storage (≤24months) |
| QCT1: | 20/180/750 | | |
| QCT2: | 30/170/800 | | |

**Diagrams**

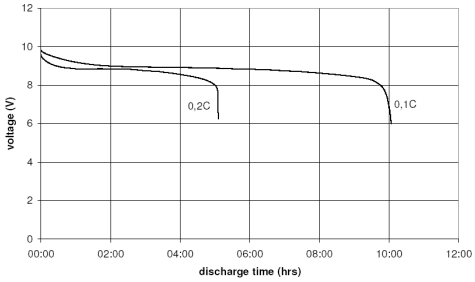
standard charge



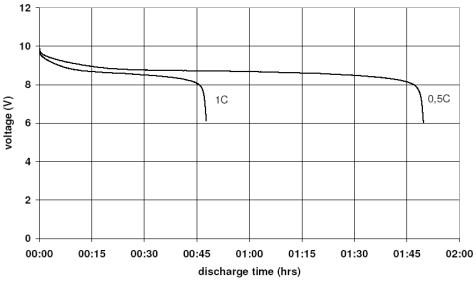

fast charge




low rate discharge



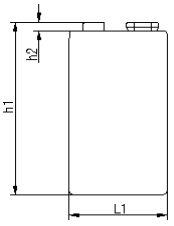

high rate discharge

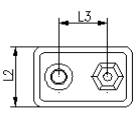



**mechanical specifications**

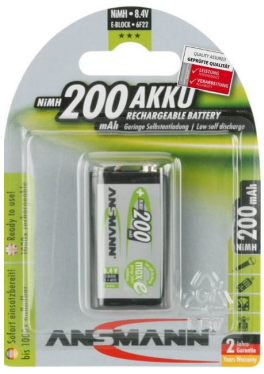
cell dimensions (incl. label)

| | | | |
|---|---|---|---|
| Length L1: | 26.5 | - 2.0 | mm |
| Length L2: | 17.5 | - 2.0 | mm |
| Length L3: | 12.7 | ± 0.25 | mm |
| height h1: | 48.5 | - 1.0 | mm |
| weight: | 41 | ± 4 | g |
| blister card dimensions: | 123 | x 85 | mm |
| blister card weight (incl. batteries): | | 50 | g |










| ANSMANN | ANSMANN Specifications for model: | 9V-E-block 200mAh low self discharge 1pc blister package |
|---|---|---|
| | data sheet no. / part no. | 5035342 |
| | supplier no. | 702069 |
| | author / date | TG / 28.02.2018 |