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|--|--|--|--|
| <b>nominal voltage</b>                   | 1.2 V                                      | conditions   |  |
| <b>max. charge voltage</b>               | 1.5 V                                      | at standard charge (0.1C/20 )  |  |
| <b>capacity</b>                          |  |  |  |
| nominal                                  | 4000mAh                                    | discharge at 0.2C  |  |
|  | >3600 mAh                                  | discharge at 1C  |  |
| minimal                                  | 4000mAh                                    | discharge at 0.2C  |  |
| Typical                                  | 4200mAh                                    | 1.0V end discharge voltage   |  |
|  |  | ambient temperature 20   |  |
| <b>max. discharge current</b>            | 12A  | ambient temperature 20...50  |  |
| <b>charge</b>                            | charge current                             | charge time  |  |
| Trickle charge                           | 200 mA                                     | 48hrs at 20  |  |
| standard charge                          | 400 mA                                     | 15hrs at 20  |  |
| trickle charge current                   | 200...400 mA                               | (recommended)  |  |
| Trickle Charge Life                      | >=4year                                    | 0.05C (0~70 )  |  |
| continuous overcharge (less than 1 year) | <400 mA                                    | no conspicuous deformation<br>no leakage                             |  |
| <b>internal resistance</b>               | <25 mOhms                                  | at 1000Hz<br>battery fully charged                                   |  |
| <b>life expectancy</b>                   | >500 cycles                                | IEC61951-1 Permanent<br>Charge Endurance Test                        |  |
| <b>Charge retention</b>                  | >2600 mAh                                  | discharge at 0.2C after storage<br>28 days at 20+/-5                 |  |
| <b>ambient temperature range</b>         | 0...70<br>-20...70<br>-20...35<br>-20...60 | standard charge<br>discharge<br>more than 1 week<br>less than 1 week |  |
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|  |  |  | <b>mechanical specifications</b><br>cell dimensions (with sleeve)<br>diameter d1 18.3-0.5 mm<br>diameter d2 8.0+/-0.4 mm<br>height h1 70.0-0.5 mm<br>weight approx. 65 g |
| DATA SHEET FOR                           | Ni-MH 18700                                |  |  |
| VAPEXTECH DRAWING                        | VTE4000LAHT                                |  |  |
| DRAWN BY / DATE                          | Herry Li/2005/10/25                        |  |  |

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