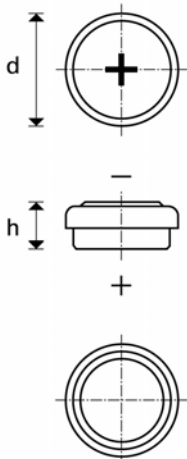


### Data Sheet

|                                  |  |             |
|----------------------------------|--|-------------|
| <b>Type Number:</b>              | 55630                                    |             |
| <b>System:</b>                   | Nickel Metal Hydride/<br>KOH Electrolyte |             |
| <b>Nominal Voltage [V]:</b>      | 1.2                                      |             |
| <b>Nominal Capacity C [mAh]:</b> | 280                                      |             |
| <b>Typical Capacity C [mAh]:</b> | 300                                      |             |
|                                  | at 56 mA / 1.00 V                        |             |
| <b>Weight, approx. [g]</b>       | 11                                       |             |
| <b>Dimensions [mm]:</b>          | <b>min.</b>                              | <b>max.</b> |
| <b>Diameter [d]:</b>             | 24.95                                    | 25.1        |
| <b>Height [h]:</b>               | 6.95                                     | 7.55        |



|                        |   |  |
|------------------------|---|--|
| <b>UL Recognition:</b> | MH 13654 (N)  |  |
| <b>Coding:</b>         | Manufacturing 5 digit code<br>(123 = day/4 = year/ 5 = version) |  |

|                                   |             |             |
|-----------------------------------|-------------|-------------|
| <b>Temperature Ranges [°C]</b>    | <b>min.</b> | <b>max.</b> |
| <b>Storage:</b> less than 30 days | -40         | 65          |
| <b>Discharge:</b>                 | -20         | 65          |
| <b>Charge:</b>                    | 0           | 65          |

|                                     |  |
|-------------------------------------|--|
| <b>Charging Method:</b>             |  |
| <b>Normal Charging:</b>             | 28 mA for 14 – 16 h                          |
| <b>Accelerated Charging (20°C):</b> | 56 mA for 7-8 h                              |
| <b>Fast Charging:</b>               | 140 mA for 3 h *                             |
|                                     | Time controlled, voltage control recommended |
| <b>Trickle Charging:</b>            | 8.4 mA                                       |

|                           |                    |
|---------------------------|--------------------|
| <b>Overcharge (20°C):</b> | 28 mA continuous   |
|                           | 56 mA up to 1 year |

|                                      |  |
|--------------------------------------|--|
| <b>Charge Retention [%] at 20°C:</b> | 90   |
|                                      | Capacity available after 1 month Storage at 20°C |

|                                   |  |
|-----------------------------------|--|
| <b>Internal Resistance [Ohm]:</b> | 0.47   |
|                                   | at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2) |

|                         |   |
|-------------------------|---|
| <b>Impedance [Ohm]:</b> | 0.08  |
|                         | at charged cells, 20°C, AC: 1kHz, (IEC 61951-2) |

|                                  |     |
|----------------------------------|-----|
| <b>Typical Capacities [mAh]:</b> |     |
| At 280 mA / 0.90 V               | 170 |

|   |     |
|---|-----|
| <b>Max. Discharge Current (cont.) [mA]:</b> | 560 |
|---|-----|

|                                   |                      |
|-----------------------------------|----------------------|
| <b>Life Expectancy (typical):</b> |                      |
| <b>IEC Cycle:</b>                 | 1000 Cycles          |
| <b>Trickle Charge:</b>            | up to 6 years (20°C) |
| <b>Trickle Charge:</b>            | up to 3 years (45°C) |

\* for fully discharged cells, 20 °C

Capacities based on normal charging

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