

Removable Flashlight



NiMH Button Cells

Removable Flashlight

A removable flashlight in the car gives car manufacturers the possibility to extend brand awareness to the customer by focusing on increased comfort and multi useable standard accessories.

Battery challenge

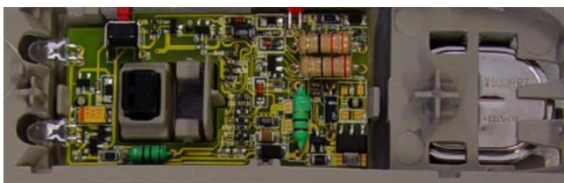
Weight, thickness, reliability at extended temperatures in the automotive environment is one of the most important features for removable flashlight as well as long shelf life respectively steady availability in charged state with high stability against overcharging. The battery must supply high discharge currents to drive the two LEDs at a DC/DC converter.

Technical solution:

NiMH Button Cells Technology

For more information, please visit our website:

<https://www.varta-ag.com/de/industrie/produktloesungen/nickel-metallhydrid>



Characteristics	1/V 500 HT Battery
Voltage	1.2V (other voltages possible)
Max discharge current	1.5A continuous
Capacity	500mAh
Discharge Temperature range	-20°C to +85°C
Overcharge capability	5 - 15mA for 5 years @ RT
Weight	14g

In Car Illumination Battery

VARTA Microbattery's NiMH HRT batteries (Powerful85C family) offer rechargeable battery solutions with reliable power for supplying In car illumination with an independent usage time up to 1h. Configurations: 1/V500HT or 2/V500HT

- wide temperature range from -20 to +85°C
- long lifetime – up to 10 years
- high reliability – by special sealing construction with new plastic materials
- high current capability
- design flexibility on voltage level from 1.2V to 12V
- design flexibility on battery shape side-by-side or stacked and voltage level from 1.2V to 3.6V
- simple charging system – continuous charging possible
- UL recognized cell
- environmentally friendly NiMH