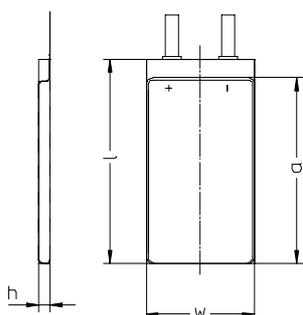


Data Sheet ¹

This Data Sheet describes the requirements and properties of Lithium-Polymer rechargeable battery (PoLiFlex®) manufactured by VARTA Microbattery GmbH - Germany.



Type Number:	66452
Designation IEC System	---
UL Recognition	Lithiumcobaltoxide-Graphite / Polymer Lithium Electrolyte MH 13654
Nominal Voltage [V]	3,7 (average)
Typical capacity C [mAh]	900 (at C/5 from 4.2 V to 3.0 V at 20°C)
Nominal capacity C [mAh]	860 (at C/5 from 4.2 V to 3.0 V at 20°C)
Dimensions [mm]	max.
Length (l)	66
Width (w) ²⁾	35
Height (h) ²⁾	4.2
Pouch (a)	61
Weight, approx. [g]	18,0
Charging Method	Constant current + Constant voltage
Charge Voltage [V]	4.2 (+/- 50 mV)
Initial charge current [mA]	Standard Charge : C/2 Rapid Charge : 1C
Charging cut-off (a) or b))	
a) by time [h]	Standard Charge: 5 Rapid Charge: 3
b) by min. current [mA]	10
Discharge cut-off voltage [V]	3.0
Max. Pulse Discharge Current [mA]	2580
Operating temperature [°C]	Charge: 0 to 45 Discharge -20 to 60
Charge retention ³⁾ [%]	1 year at -20 to 20°C >70 3 month at -20 to 45°C >70 1 month at -20 to 60°C >70
Impedance initial [mΩ]	60 @ 1kHz
Life expectancy C/2, 20°C [Cycles]	> 500 (>70 % of initial capacity)

²⁾ Pass through 35.0 x 4.2 mm gap with no damage measured at delivering time.

³⁾ After storage at initial cell voltage of 3.7 to 3.9 V/cell; capacity C/5 measured at 20°C.

¹ Prior to use read Handling Precaution and Prohibitions for VARTA PoLiFlex® Batteries