

**battery type:** Lithium primary battery  
**battery size:** ER14505H (AA)  
**chemical system:** Lithium Thionyl Chloride Battery

**conditions, remarks**

typical values for batteries stored for 1 year at max. 30°C

**nominal voltage:** 3.6 V  
**open circuit voltage:** 3.66 V **new battery**

**capacity nominal:** 2700 mAh **discharge at 1mA constant; 24hours/day**  
**End Voltage (EV): 2.0V**

**discharge max. continuous current: (recommended)** 50 mA **(achievable capacity approx. 50% when discharge to 2.0V, ta: 25°C)**

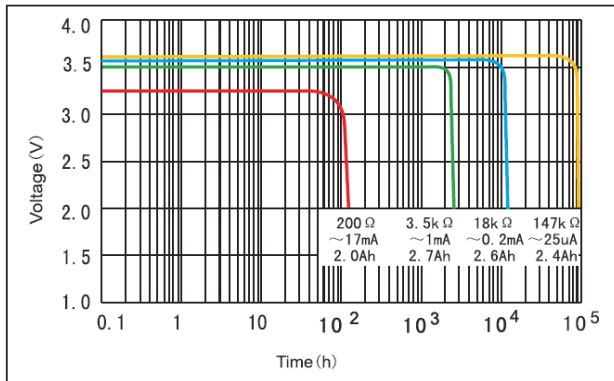
**max. pulse current:** 150 mA **0.1s pulses every 2 minutes**

**load voltage (CCV):** ≥ 3.2 V **at 200 Ω load (for IQC measurement)**

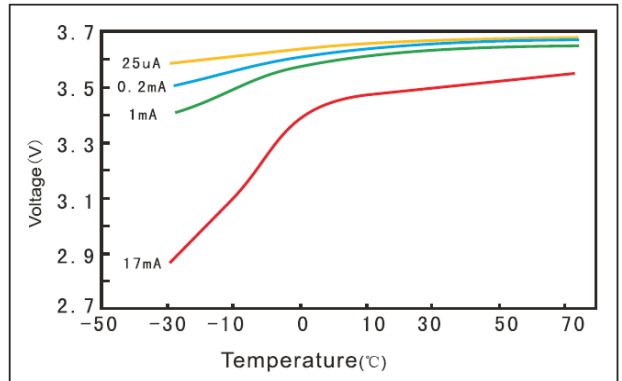
**ambient temperature range:**

- 55...85 °C **operating temperature**  
 5...20 °C **recommended storage temperature**

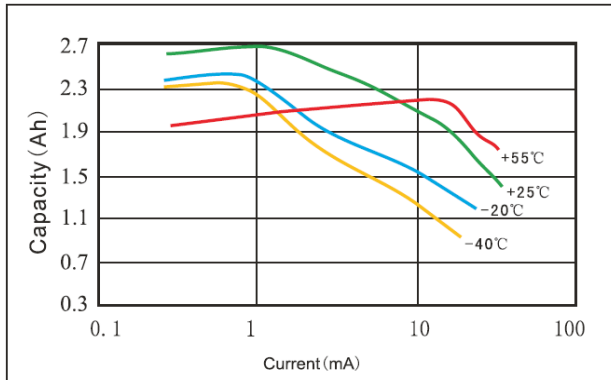
Discharge Characteristics at 25°C



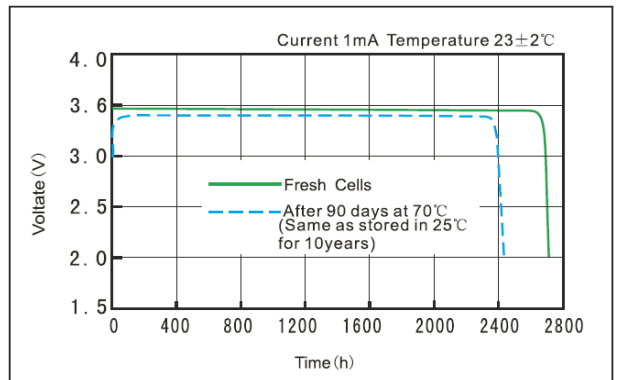
Voltage - Temperature



Capacity - Discharge Current (E.V. 2.0V)

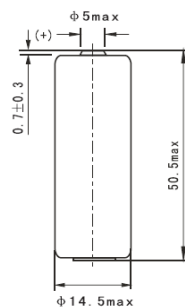


Discharge Characteristics after storage



**mechanical specifications**

cell dimensions:



**weight:** 18 ± 1 g

dimensions in mm



<b>ANSMANN Specifications for model:</b>	<b>Lithium Thionyl Chloride Battery</b>
data sheet no. / part no.	<b>ER14505H</b>
s.n.	704667
author / date	TG / 04.05.2020