

**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

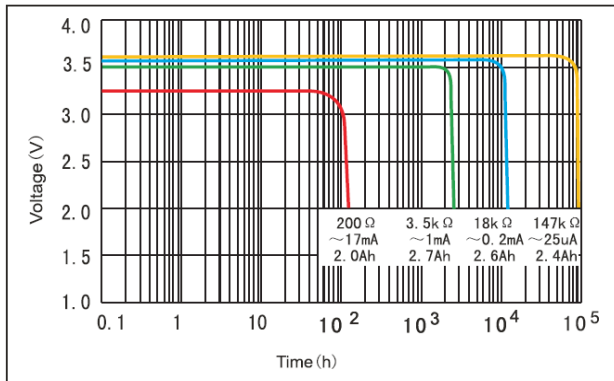
**discharge max. continuous current:** 50 mA (achievable capacity approx. 50% when discharge to 2.0V, ta: 25°C)  
 (recommended)

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

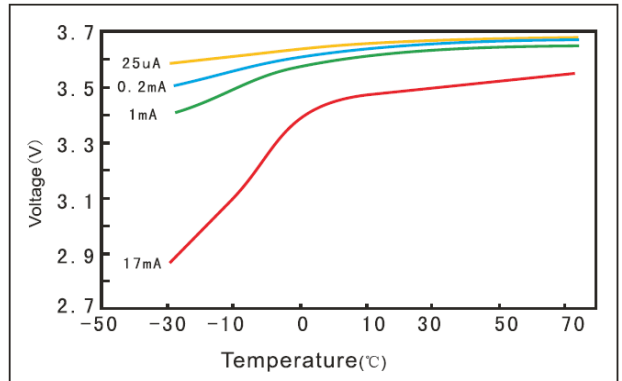
**load voltage (CCV):** ≥ 3.2 V at 200 Ω load (for IQC measurement)

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

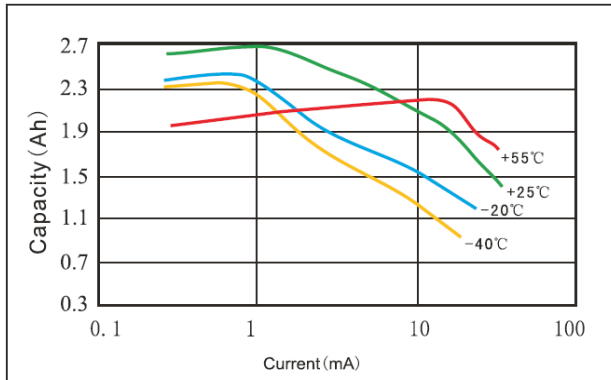
Discharge Characteristics at 25°C



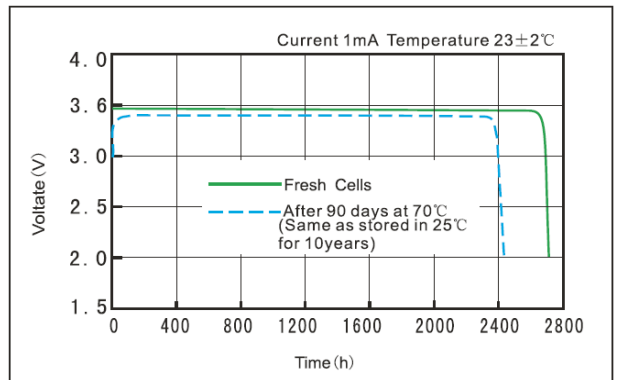
Voltage - Temperature



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

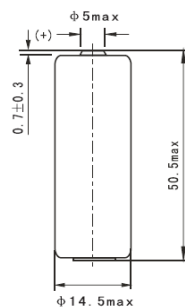


Discharge Characteristics after storage



**mechanical specifications**

cell dimensions:



**weight:** 18 ± 1 g

dimensions in mm



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