

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)

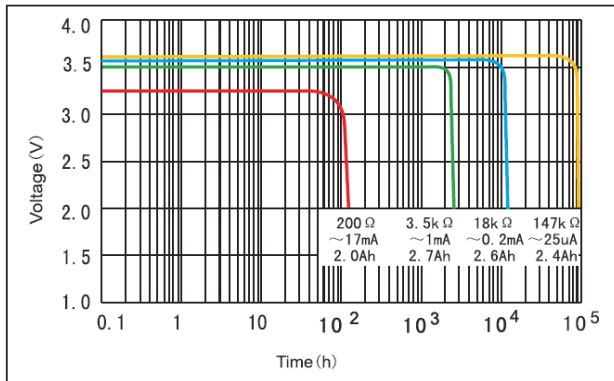
max. pulse current: 150 mA **0.1s pulses every 2 minutes**

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

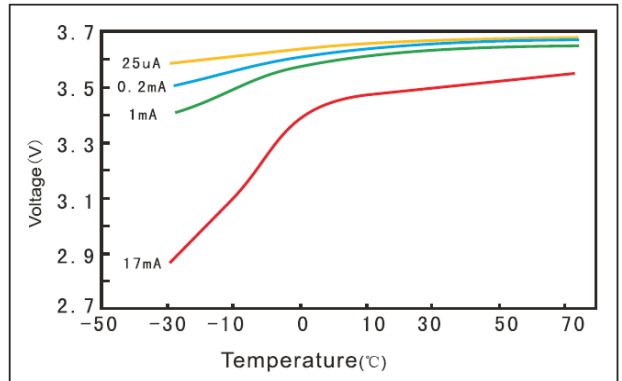
ambient temperature

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

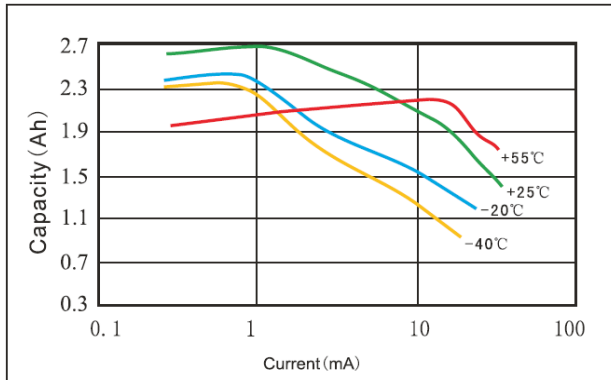
Discharge Characteristics at 25°C



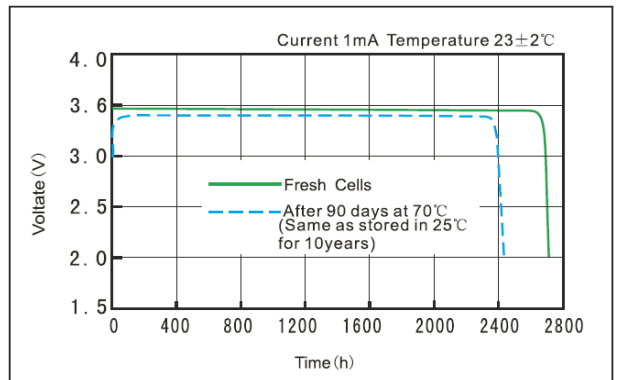
Voltage - Temperature



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

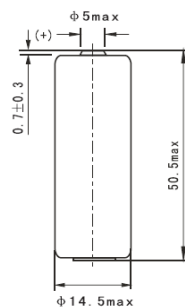


Discharge Characteristics after storage



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