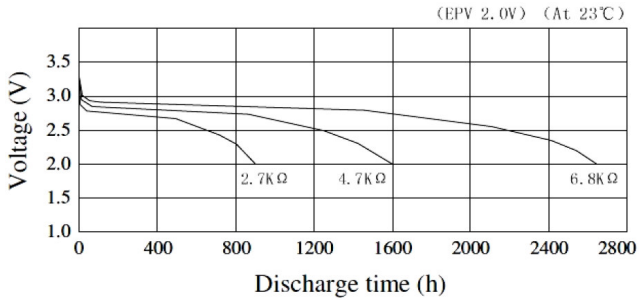
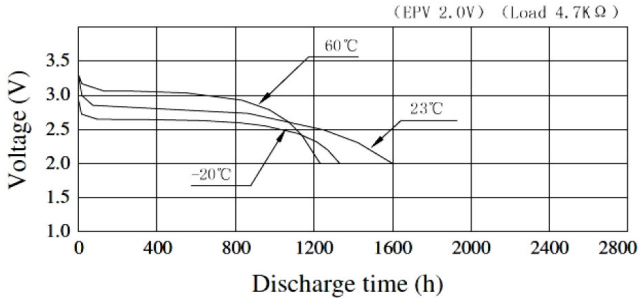
battery type:			Lithium Button Cell
battery size:			CR2477
chemical system:			Lithium Manganese Dioxide
			Conditions
nominal voltage:	3.0	V	
open circuit voltage:	3.0...3.4	V	new battery
	2.9...3.4	V	after 1 year storage at 20°C
			all measurements at 22 ± 2°C ambient
capacity			
rated:	1000	mAh	continuous discharge at 4.7kΩ load; 24hours/day End Voltage (EV): 2.0V
minimum:	900	mAh	continuous discharge at 4.7kΩ load; 24hours/day EV: 2.0V
standard discharge time			
minimum:	155	h	at 680Ω load (for QC measurement) EV: 2.0V
discharge currents			
standard:	0.2	mA	
max. recommended current under continuous discharge:	6	mA	
max. recommended current under pulse discharge:	30	mA	

discharge diagrams:

Discharge Characteristics on Load



Discharge Characteristics on Temperature

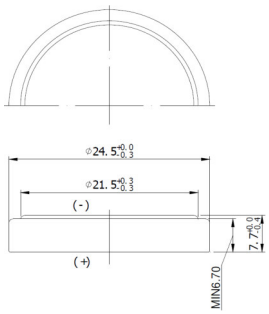


shelf life:	10	years	under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)
self-discharge:	≤ 2	%	per year (at 20°C ambient temperature)
operating temperature range:	- 20…70	°C	
storage temperature:	0…30	°C	(recommended)

mechanical specifications:

outer battery dimensions
diameter: 24.5mm +0/-0.3mm
height: 7.7mm +0/-0.4mm

drawing





printed production date
4 digits (YYMM)
e.g. 1806 = 2018 June



nominal weight:	10.5	g	(approx.)

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ANSMANN	**ANSMANN Specifications for model:**	**Lithium Button Cell CR2477**
	data sheet no. / part no.	
	supplier no.	704080
	author / date	TG / 07.10.2019

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice