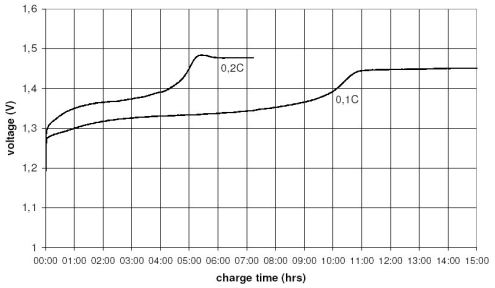
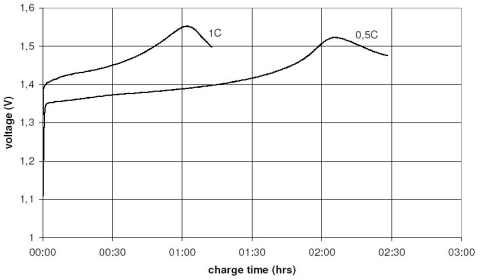
			Conditions
cell type:	NiMH		
cell size:	C		
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	2500	mAh	discharge at 0.2C
minimum:	2500	mAh	discharge at 0.2C
	2250	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
max. continuous discharge current:	5000	mA	ta: 0....45°C
charge	current		time
standard charge:	250	mA	14....16hrs
quick charge:	750	mA	4hrs
fast charge:	2500	mA	1.1hrs
recommended charge termination control parameters:	0…5	mV	- ΔV (-deltaV)
	0.8...1	°C	temperature rise per minute
	45...50	°C	TCO (temperature cut off)
trickle charge current:	25…75	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 250	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 30	mΩ	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge charge retention:	≥ 80	%	after 12 months storage at 20°C
initial capacity:	≥ 1700	mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45	°C	standard charge
	10...40	°C	fast charge
	- 20...65	°C	discharge
	- 20...50	°C	storage (≤3months)
	- 20...40	°C	storage (≤6months)
	- 20...30	°C	storage (≤24months)

Diagrams

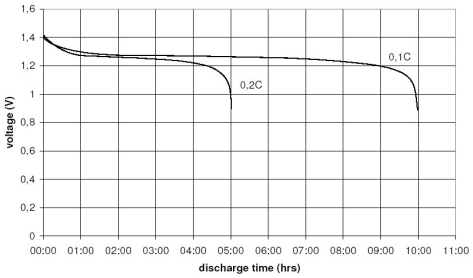
standard charge



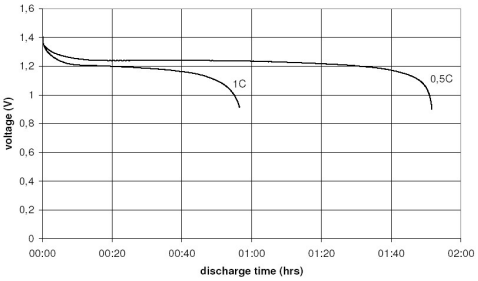
fast charge



low rate discharge



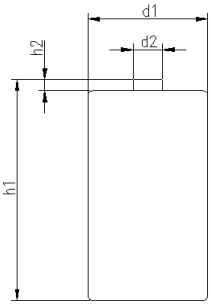
high rate discharge



QCT1: 20/2350/30
QCT2: 30/2200/35

mechanical specifications

cell dimensions			
diameter d1:		25.6 - 1.0	mm
diameter d2:	max.	7.5	mm
height h1:		50.0 - 2.0	mm
height h2:	min.	1.5	mm
weight:		60 ± 4	g



ANSMANN®	ANSMANN Specifications for model:	C - 2500mAh low self discharge 2pcs blister package
	data sheet no. / part no.	5030912
	supplier no.	702069
	author / date	TG / 18.06.2024

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