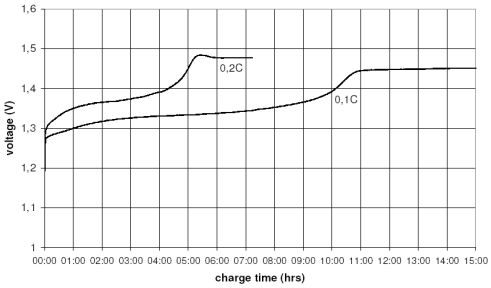
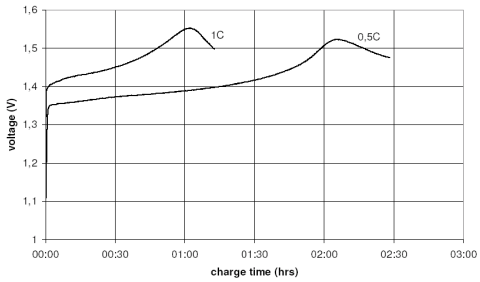
			Conditions
cell type:		NiMH	
cell size:		D	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	5000	mAh	discharge at 0.2C
minimum:	5000	mAh	discharge at 0.2C
	4500	mAh	discharge at 1C 1.0V end discharge voltage ta: 20°C
max. continuous discharge current:	7500	mA	ta: 0....45°C
charge	current		time
standard charge:	500	mA	14....16hrs
quick charge:	1500	mA	4hrs
fast charge:	2500	mA	2.3hrs
recommended charge	0…5	mV	- ΔV (-deltaV)
termination control	0.8...1	°C	temperature rise per minute
parameters:	45...50	°C	TCO (temperature cut off)
trickle charge current:	25...150	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 500	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:	≥ 3500	mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45	°C	standard charge
	10...40	°C	fast charge
	0...45	°C	discharge (≥1C)
	- 20...65	°C	discharge (<1C)
	- 20...50	°C	storage (≤3months)
	- 20...40	°C	storage (≤6months)
	- 20...30	°C	storage (≤24months)
QCT1:	20/4750/20		
QCT2:	30/4500/20		

Diagrams

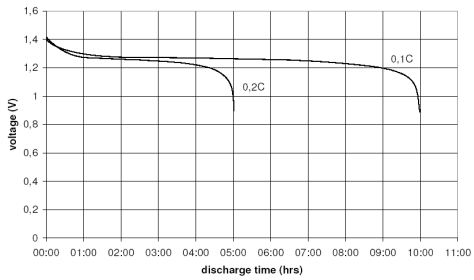
standard charge



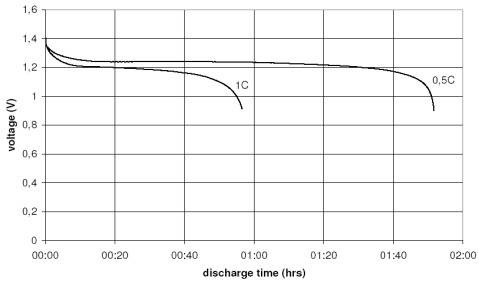
fast charge



low rate discharge

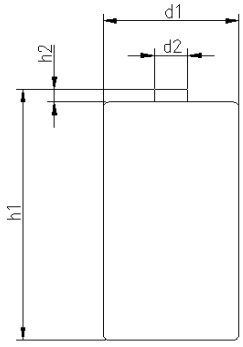


high rate discharge



mechanical specifications

cell dimensions			
diameter d1:		32.8 - 1.0	mm
diameter d2:	max.	9.5	mm
height h1:		61.5 - 2.0	mm
height h2:	min.	1.5	mm
weight:		115 ± 5	g
blister card dimensions:		123 x 85	mm
blister card weight (incl. batteries):		240	g



	ANSMANN Specifications for model:	D - 5000mAh low self discharge 2pcs blister package
	data sheet no. / part no.	5030922
	supplier no.	702069
	author / date	TG / 02.03.2018

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