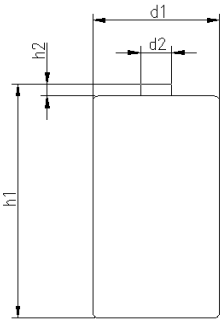
			Conditions
cell type:		NiMH	
cell size:		C	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20℃)
capacity			
nominal:	4500	mAh	discharge at 0.2C
minimum:	4500	mAh	discharge at 0.2C
	4200	mAh	discharge at 1C 1.0V end discharge voltage ta: 20℃
max. continuous discharge current:	6750	mA	ta: 0....45℃
charge	current		time
standard charge:	450	mA	14....16hrs
quick charge:	1350	mA	4hrs
fast charge:	2250	mA	2.3hrs
recommended charge termination control parameters:	0…5	mV	- ΔV (-deltaV)
	0.8...1	℃	temperature rise per minute
	45...50	℃	TCO (temperature cut off)
trickle charge current:	45...150	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 450	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 20	mΩ	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 80	%	after 12 months storage at 20℃
initial capacity:	≥ 3150	mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45	℃	standard charge
	10...40	℃	fast charge
	0...45	℃	discharge (≥1C)
	- 20...65	℃	discharge (<1C)
	- 20...50	℃	storage (≤3months)
	- 20...40	℃	storage (≤6months)
	- 20...30	℃	storage (≤24months)
QCT1:	20/4300/20		
QCT2:	30/4200/20		

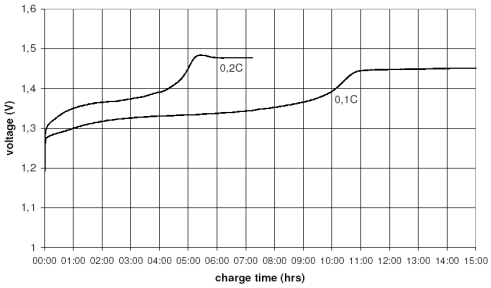
mechanical specifications

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:		80 ± 4	g
blister card dimensions:		123 x 85	mm
blister card weight (incl. batteries):		88	g

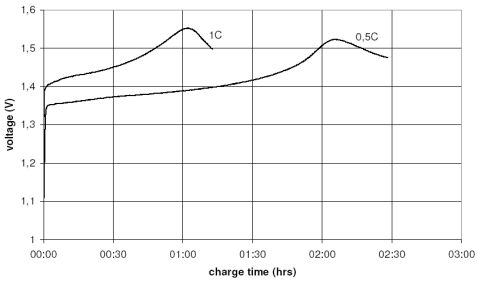


Diagrams

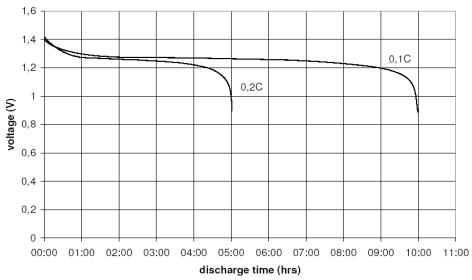
standard charge



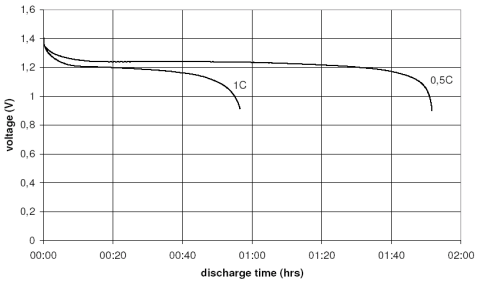
fast charge



low rate discharge



high rate discharge



ANSMANN	**ANSMANN Specifications for model:**	**C - 4500mAh low self discharge 1pc blister package**
	data sheet no. / part no.	5030632
	supplier no.	701364
	author / date	Gramlich / 24.02.2012

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