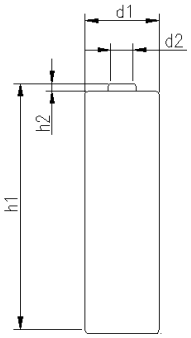
			Conditions
cell type:		NiMH	
cell size:		AA	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20℃)
capacity			
nominal:	2850	mAh	discharge at 0.2C
minimum:	2650	mAh	discharge at 0.2C
	2450	mAh	discharge at 1C 1.0V end discharge voltage ta: 20℃
max. continuous discharge current:	5000	mA	ta: 0....45℃
charge	current		time
standard charge:	285	mA	14....16hrs
quick charge:	800	mA	4hrs
fast charge:	2850	mA	1hr
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:	20…80	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 200	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:	≥ 60	%	after 28 days storage at 20℃
initial capacity:	≥ 900	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 (≤1month)
	- 20...40	℃	storage (≤3months)
	- 20...30	℃	storage (≤12months)
QCT1:	20/2500/35		
QCT2:	30/2350/40		

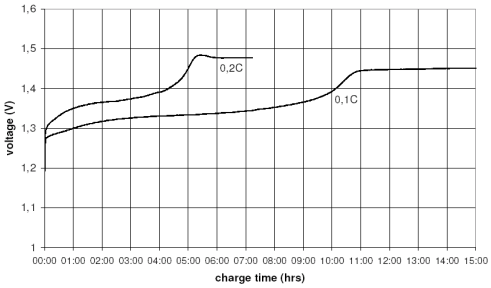
mechanical specifications

cell dimensions			
diameter d1:		14.5 - 0.7	mm
diameter d2:	max.	5.5	mm
height h1:		50.5 - 0.5	mm
height h2:	min.	1.2	mm
weight:		31 ± 2	g
blister card dimensions:		123 x 85	mm
blister card weight (incl. batteries):		70	g

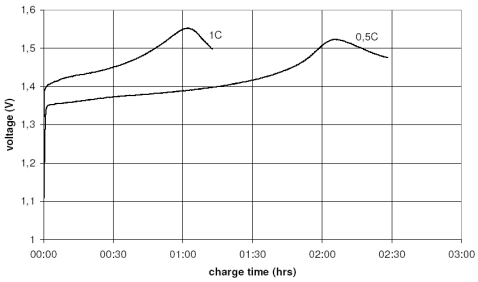


Diagrams

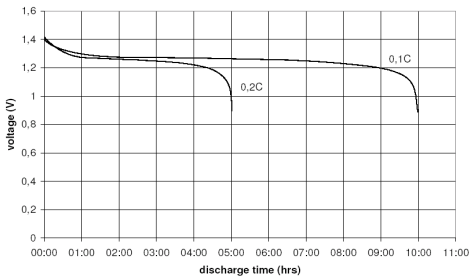
standard charge



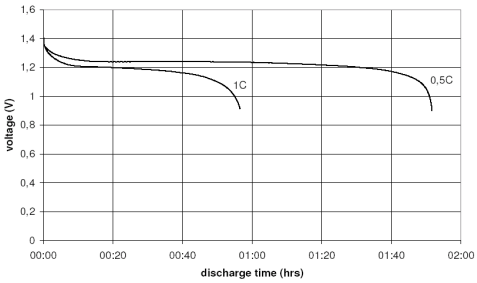
fast charge



low rate discharge



high rate discharge



	ANSMANN Specifications for model:	AA - 2850mAh DIGITAL 2pcs blister package
	data sheet no. / part no.	5035082
	supplier no.	701372
	author / date	Gramlich / 22.02.2012

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