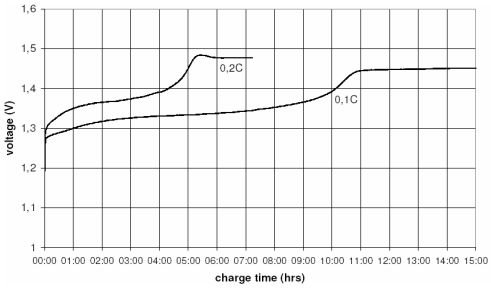
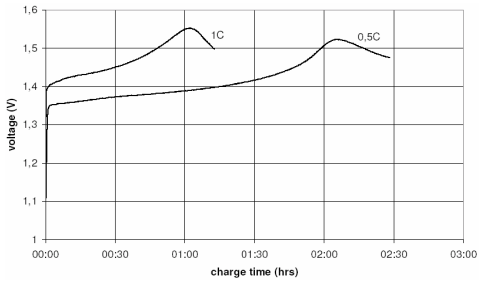
			Conditions
cell type:		NiMH	
cell size:		AAA	
nominal voltage:	1.2	V	
max. charge voltage:	1.45	V	at standard charge (0.1C / 20℃)
capacity			
nominal:	1100	mAh	discharge at 0.2C
minimum:	930	mAh	discharge at 0.2C
	880	mAh	discharge at 1C 1.0V end discharge voltage ta: 20℃
max. continuous discharge current:	2200	mA	ta: 0....45℃
charge	current		time
standard charge:	110	mA	14....16hrs
quick charge:	300	mA	4hrs
fast charge:	1100	mA	1.1hrs
recommended charge	5...10	mV	- delta V
termination control	0.8...1	℃	temperature rise per minute
parameters:	45...50	℃	TCO (temperature cut off)
trickle charge current:	10...35	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 93	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 40	mΩ	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 60	%	after 28 days storage at 20℃
ambient temperature range:	0...45	℃	standard charge
	10...40	℃	fast charge
	- 20...65	℃	discharge (≤1.0C)
	0...45	℃	discharge (>1.0C)
	- 20...50	℃	storage (≤1month)
	- 20...40	℃	storage (≤3months)
	- 20...30	℃	storage (≤12months)
QCT1:	20/900/45		
QCT2:	30/800/50		

Diagrams

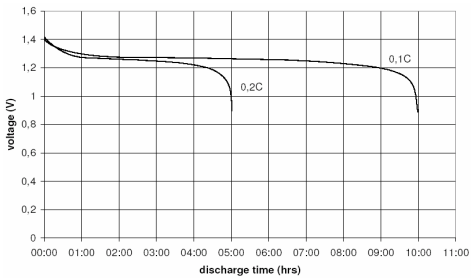
standard charge



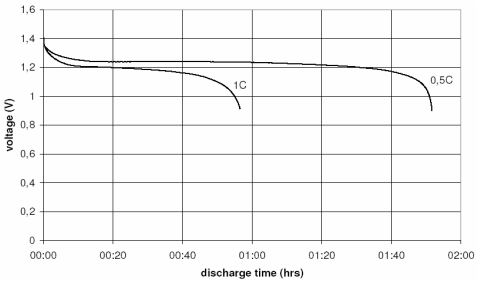
fast charge



low rate discharge



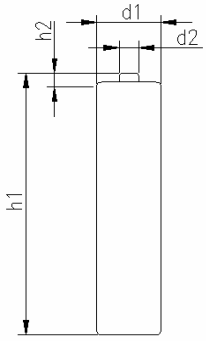
high rate discharge



mechanical specifications

cell dimensions (incl. label)

diameter d1:		10.5	- 0.7	mm
diameter d2:	max.	3.8		mm
height h1:		44.5	- 1.5	mm
height h2:	min.	0.8		mm
weight:		13	± 2	g
blister card dimensions:		123	x 85	mm
blister card weight (incl. batteries):			58	g



	ANSMANN Specifications for model:	AAA - 1100mAh 4pcs blister package
	data sheet no. / part no.	5035232
	version no.	0
	author / date	Gramlich / 27.03.2009

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