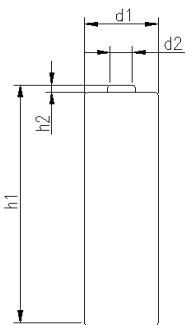


		Conditions	
cell type:		NiMH	
cell size:		AA	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	
		at standard charge (0.1C / 20°C)	
capacity			
nominal:	2100	mAh	discharge at 0.2C
minimum:	2100	mAh	discharge at 0.2C
	2000	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
max. continuous discharge current:	5000	mA	ta: 0...45°C
charge		current	time
standard charge:	210	mA	14...16hrs
quick charge:	600	mA	4hrs
fast charge:	2100	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:	10...40	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 200	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 35	mΩ	at 1KHz battery fully charged
life expectancy:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 80	%	after 12 months storage at 20°C
initial capacity:	≥ 1400	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: 20/2000/35
QCT2: 30/1900/40

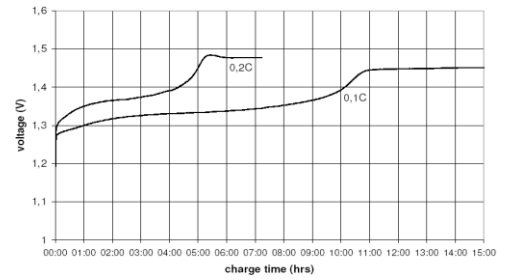
mechanical specifications

cell dimensions			
diameter d1:		14.4 - 0.7	mm
diameter d2:	max.	5.5	mm
height h1:		50.5 - 0.5	mm
height h2:	min.	1.2	mm
weight:		28 ± 2	g
blister card dimensions:		123 x 85	mm
blister card weight (incl. batteries):		120	g

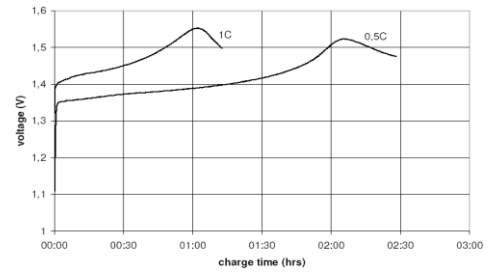


Diagrams

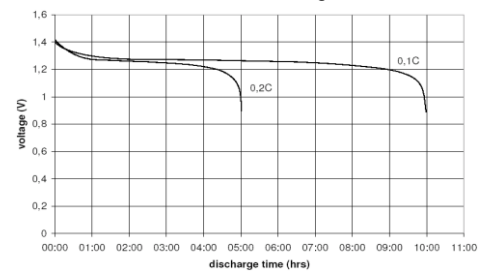
standard charge



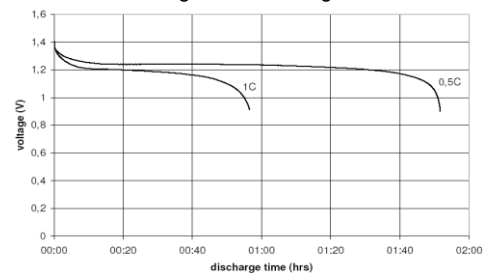
fast charge



low rate discharge



high rate discharge



	ANSMANN Specifications for model:	AA - 2100mAh low self discharge 4pcs blister package
	data sheet no. / part no.	5035052
	supplier no.	702069
	author / date	TG / 26.09.2013