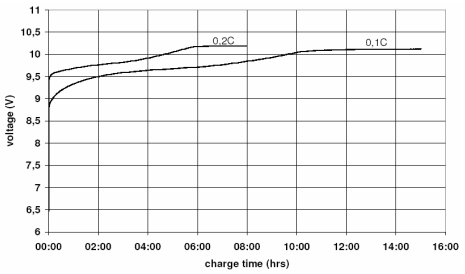
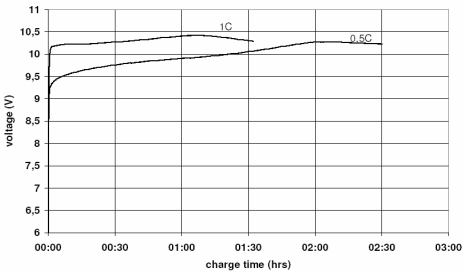
			Conditions
cell type:		NiMH	
cell size:		AA	
nominal voltage:	8.4	V	
max. charge voltage:	10.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	200	mAh	discharge at 0.2C
minimum:	185	mAh	discharge at 0.2C
	170	mAh	discharge at 1C
			7.0V end discharge voltage
			ta: 20°C
max. continuous discharge current:	600	mA	ta: 0....45°C
charge	current		time
standard charge:	20	mA	14hrs
quick charge:	60	mA	4hrs
fast charge:	200	mA	1.1hrs
recommended fast charge termination control parameters:	35	mV	- delta V
	110	%	of nominal input
			by timer cut off
trickle charge current:	2...10	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 20	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 0.8	Ohms	at 1kHz battery fully charged
life expectance:	≥ 500	cycles	accord. IEC standard
self discharge			
charge retention:	≥ 85	%	after 6 months storage
(at ≤ 20°C ambient)	≥ 80	%	after 12 months storage
ambient temperature range:	0...45	°C	standard charge
	10...40	°C	fast charge
	- 20...60	°C	discharge (≤1C)
	0...45	°C	discharge (>1C)
	- 20...35	°C	storage

Diagrams

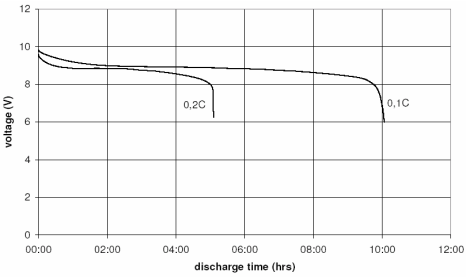
standard charge



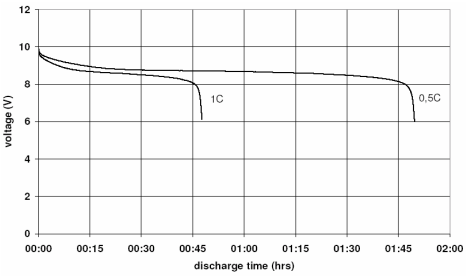
fast charge



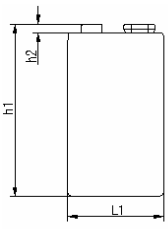
low rate discharge

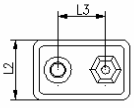


high rate discharge



QCT1: 20/180/750
QCT2: 30/170/800





mechanical specifications

cell dimensions			
length L1:	26.5	- 2	mm
length L2:	17.5	- 2	mm
length L3:	12.7	± 0.25	mm
height h1:	48.5	- 1	mm
weight:	40	± 2	g

ANSMANN	ANSMANN Specifications for model:	8.4V NiMH - E-Block 200mAh MaxE Low Self Discharge Type
	data sheet no. / part no.	5035341
	version no.	0
	author / date	Gramlich / 19.09.2008