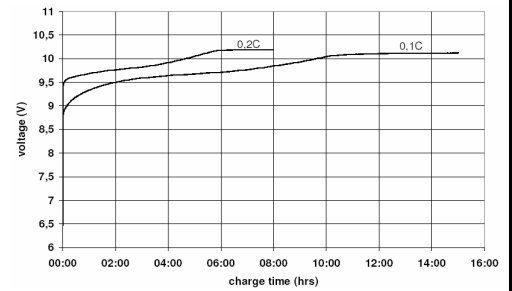


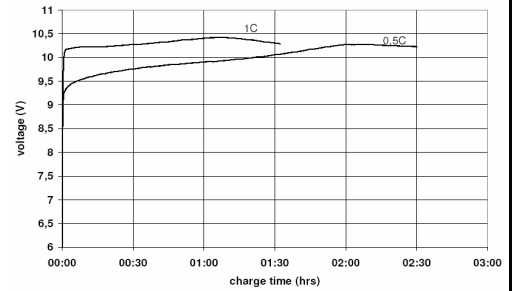
		Conditions	
<b>cell type:</b>		NiMH	
<b>cell size:</b>		AA	
<b>nominal voltage:</b>	8.4	V	
<b>max. charge voltage:</b>	10.5	V	at standard charge (0.1C / 20°C)
<b>capacity</b>			
nominal:	200	mAh	discharge at 0.2C
minimum:	185	mAh	discharge at 0.2C
	170	mAh	discharge at 1C
			7.0V end discharge voltage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

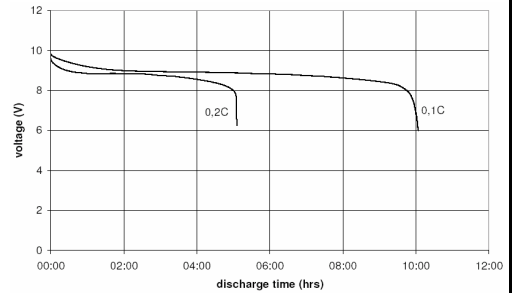
standard charge



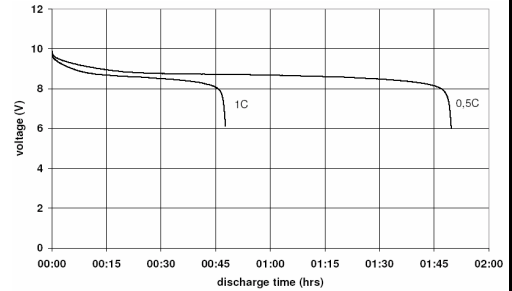
fast charge



low rate discharge



high rate discharge

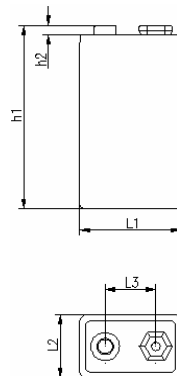


QCT1:	20/180/750
QCT2:	30/170/800

### 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



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### ANSMANN Specifications for model:

data sheet no. / part no.

version no.

author / date

### 8.4V NiMH - E-Block 200mAh MaxE Low Self Discharge Type

5035341

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Gramlich / 19.09.2008