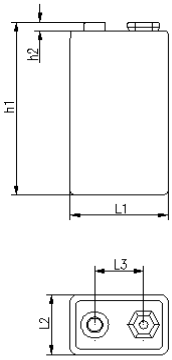
			Conditions
cell type:		NiMH	
cell size:		E-block	
nominal voltage:	8.4	V	
max. charge voltage:	10.5	V	at standard charge (0.1C / 20℃)
capacity			
nominal:	200	mAh	discharge at 0.2C
minimum:	200	mAh	discharge at 0.2C
	180	mAh	discharge at 1C 7.0V end discharge voltage ta: 20℃
max. continuous discharge current:	400	mA	ta: 0....45℃
charge	current		time
standard charge:	20	mA	14....16hrs
quick charge:	60	mA	4hrs
fast charge:	200	mA	1.2hrs
recommended charge termination control parameters:	15....35	mV	- delta V
	120	%	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	Ω	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 85	%	after 6 months storage
(at ≤ 20℃ ambient)	≥ 80	%	after 12 months storage
initial capacity:	≥140	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 (≤3months)
	- 20...40	℃	storage (≤6months)
	- 20...30	℃	storage (≤24months)
QCT1:	20/180/750		
QCT2:	30/170/800		

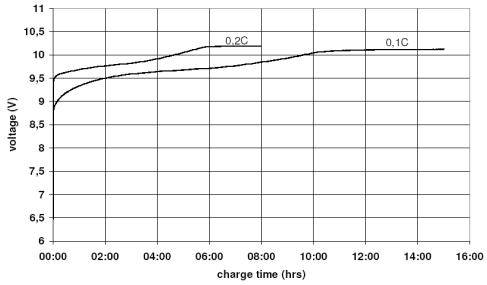
mechanical specifications

cell dimensions (incl. label)		
Length L1:	26.5 - 2.0	mm
Length L2:	17.5 - 2.0	mm
Length L3:	12.7 ± 0.25	mm
height h1:	48.5 - 1.0	mm
weight:	41 ± 4	g
blister card dimensions:	123 x 85	mm
blister card weight (incl. batteries):	50	g

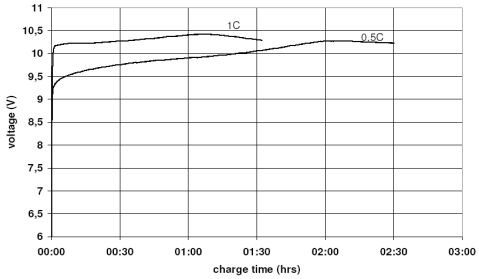


Diagrams

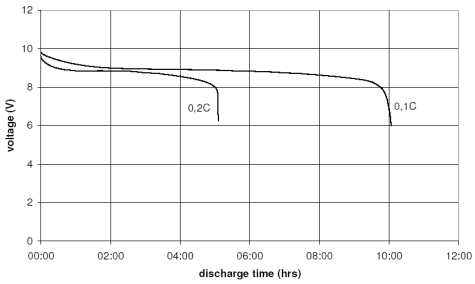
standard charge



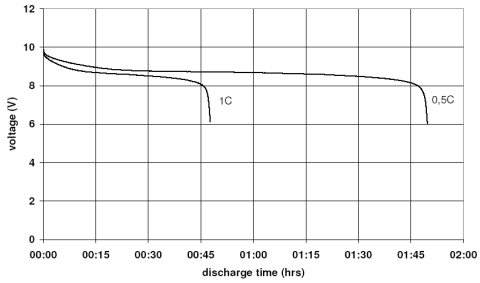
fast charge

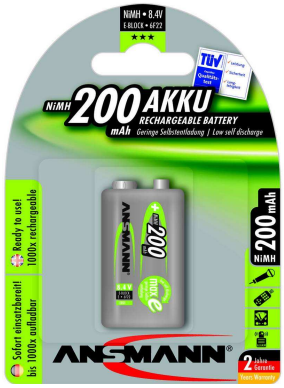


low rate discharge



high rate discharge





	ANSMANN Specifications for model:	9V-E-block 200mAh low self discharge 1pc blister package
	data sheet no. / part no.	5035342
	supplier no.	702069
	author / date	Gramlich / 03.03.2012

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

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