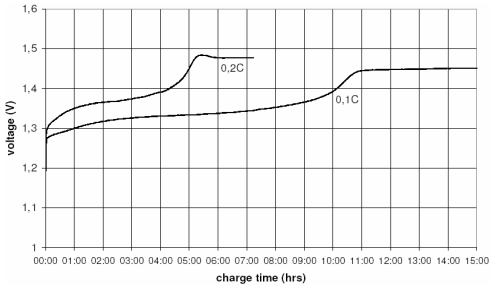
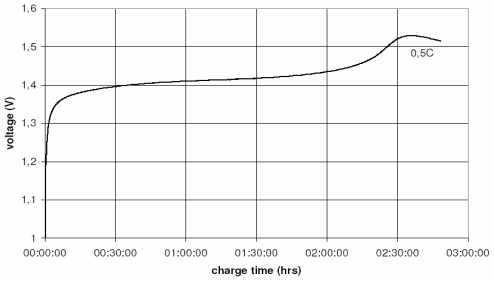
			Conditions
cell type:		NiMH	
cell size:		D	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20℃)
capacity			
nominal:	8500	mAh	discharge at 0.2C
minimum:	8000	mAh	discharge at 0.2C
	7500	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20℃
max. continuous discharge current:	8500	mA	ta: 0....45℃
charge	current		time
standard charge:	850	mA	14hrs
quick charge:	2300	mA	4hrs
fast charge:	4250	mA	2.2hrs
recommended charge termination control parameters:	5...10	mV	- delta V
	0.8...1	℃	temperature rise per minute
	45...50	℃	TCO (temperature cut off)
trickle charge current:	80...425	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 800	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 18	mΩ	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:	≥ 5600	mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45	℃	standard charge
	10...40	℃	fast charge
	- 20...65	℃	discharge (≤1.0C)
	0...45	℃	discharge (>1.0C)
	- 20...50	℃	storage (≤3months)
	- 20...40	℃	storage (≤6months)
	- 20...30	℃	storage (≤24months)
QCT1:	20/7800/25		
QCT2:	30/7300/30		

Diagrams

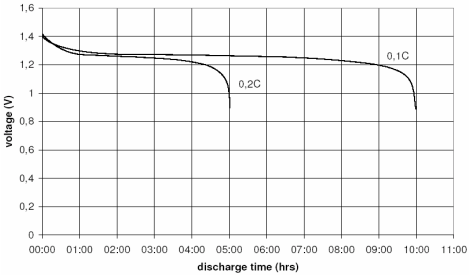
standard charge



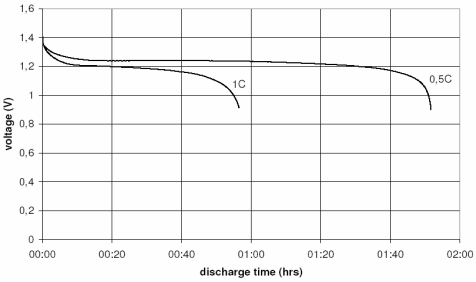
fast charge



low rate discharge

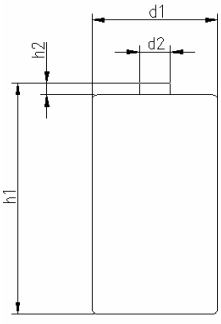


high rate discharge



mechanical specifications

cell dimensions (incl. label)				
diameter d1:		33.0	- 1.0	mm
diameter d2:	max.	9.5		mm
height h1:		61.5	- 2.0	mm
height h2:	min.	1.5		mm
weight:		155	± 8	g



ANSMANN	ANSMANN Specifications for model:	D - 8500mAh low self discharge bulk package
	data sheet no. / part no.	5035361
	version no.	0
	author / date	Gramlich / 29.01.2009