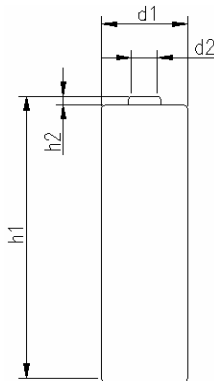


		Conditions	
cell type:	NiMH		
cell size:	AA		
nominal voltage:	1.2 V		
max. charge voltage:	1.45 V	at standard charge (0.1C / 20 °C)	
capacity			
nominal:	2700 mAh	discharge at 0.2C	
minimum:	2100 mAh	discharge at 0.2C	
	2000 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20 °C	
max. continuous discharge current:	4200 mA	ta: 0...45 °C	
charge	current	time	
standard charge:	270 mA	14hrs	
quick charge:	650 mA	4hrs	
fast charge:	1250 mA	2hrs	
recommended charge termination control parameters:	5...10 mV	- delta V	
	0.8...1 °C	temp. increase per minute	
	45...50 °C	TCO (temperature cut off)	
trickle charge current:	20...70 mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 210 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:	≥ 60 %	after 28 days storage at 20 °C	
ambient temperature range:	0...45 °C	standard charge	
	10...40 °C	fast charge	
	- 20...65 °C	discharge (≤1.0C)	
	0...45 °C	discharge (>1.0C)	
	- 20...50 °C	storage (≤1 month)	
	- 20...40 °C	storage (≤3 months)	
	- 20...30 °C	storage (≤12 months)	

QCT1: 20/2000/35
QCT2: 30/1800/50

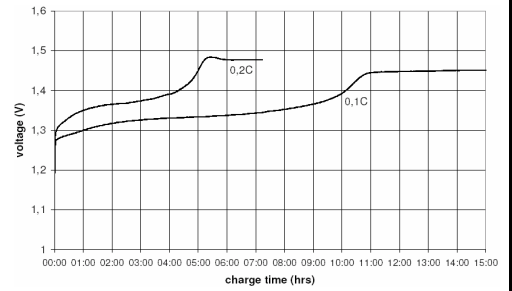
mechanical specifications

cell dimensions (incl. label)			
diameter d1:		14.3 - 0.5 mm	
diameter d2:	max.	5.5 mm	
height h1:		50.3 - 0.5 mm	
height h2:	min.	1.2 mm	
weight:		28 ± 2 g	
blister card dimensions:		123 x 86 mm	
blister card weight (incl. batteries):		120 g	

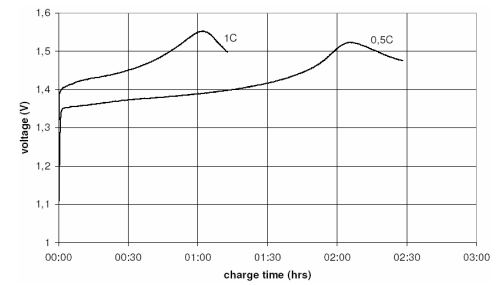


Diagrams

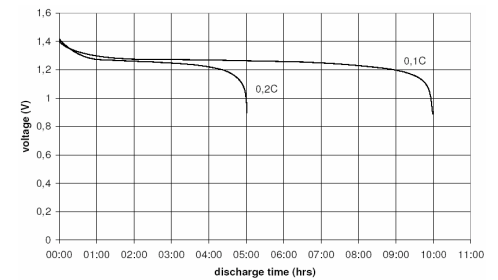
standard charge



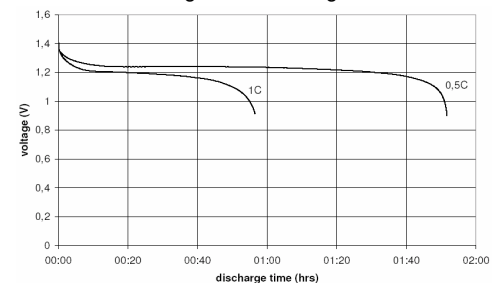
fast charge



low rate discharge



high rate discharge



ANSMANN Specifications for model:

data sheet no. / part no.	5030682
version no.	0
author / date	Gramlich / 08.05.2009

**AA - 2700mAh HyCell
4pcs blister package**