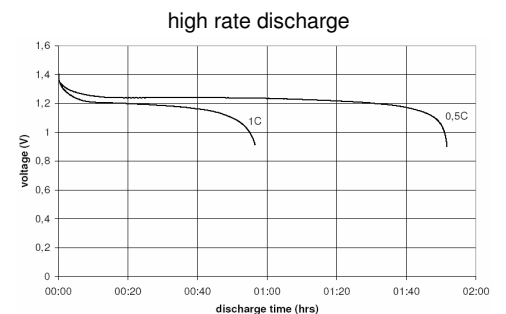
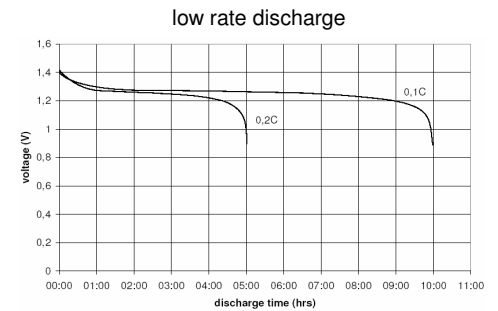
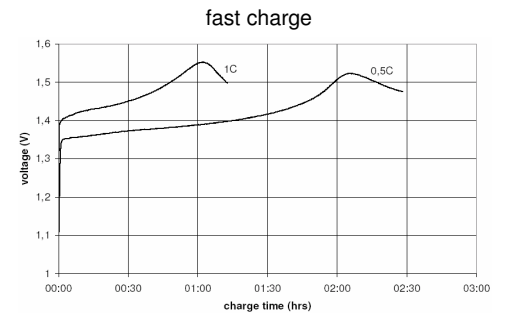
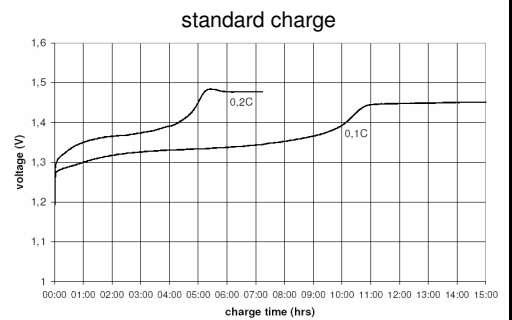


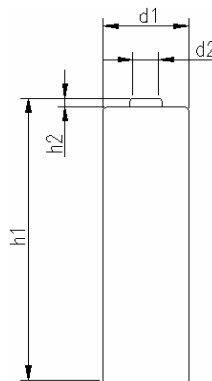
		Conditions		Diagrams
<b>cell type:</b>		NiMH		
<b>cell size:</b>		AA		
<b>nominal voltage:</b>	1.2	V		
<b>max. charge voltage:</b>	1.45	V	at standard charge (0.1C / 20 °C)	
<b>capacity</b>				
nominal:	2850	mAh	discharge at 0.2C	
minimum:	2500	mAh	discharge at 0.2C	
	2300	mAh	discharge at 1C	
			1.0V end discharge voltage	
			ta: 20 °C	
<b>max. continuous</b>				
<b>discharge current:</b>	5400	mA	ta: 0...45 °C	
<b>charge</b>				
standard charge:	270	mA	14....16hrs	
quick charge:	725	mA	4hrs	
fast charge:	2700	mA	1.1hrs	
recommended charge	5...10	mV	- delta V	
termination control	0.8...1	°C	temp. increase per minute	
parameters:	45...50	°C	TCO (temperature cut off)	
trickle charge current:	25...90	mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 200	mA	no conspicuous deformation no leakage	
<b>internal resistance:</b> (impedance)	≤ 30	mΩ	at 1KHz battery fully charged	
<b>life expectance:</b>	≥ 500	cycles	acc. IEC standard	
<b>self discharge</b>				
charge retention:	≥ 60	%	after 28 days storage at 20 °C	
<b>ambient temperature</b>				
<b>range:</b>	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: 20/2400/35  
QCT2: 30/2200/40

#### 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: 30 ± 2 g



#### ANSMANN Specifications for model:

data sheet no. / part no.

version no.

author / date

#### AA - 2850mAh Digital bulk package

5035021

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Gramlich / 30.06.2009