

		Conditions		Diagrams	
<b>cell type:</b>	NiMH				
<b>cell size:</b>	AAA				
<b>nominal voltage:</b>	1.2 V	at standard charge (0.1C / 20°C)			
<b>max. charge voltage:</b>	1.5 V				
<b>capacity</b>					
nominal:	1000 mAh	discharge at 0.2C			
minimum:	840 mAh	discharge at 0.2C			
	760 mAh	discharge at 1C			
		1.0V end discharge voltage			
		ta: 20°C			
<b>max. continuous discharge current:</b>	2000 mA	ta: 0...45°C			
<b>charge</b>	current	time			
standard charge:	100 mA	14...16hrs			
quick charge:	300 mA	4hrs			
fast charge:	1000 mA	1.1hrs			
recommended charge termination control parameters:	5...10 mV	- delta V			
	0.8...1 °C	temperature rise per minute			
	45...50 °C	TCO (temperature cut off)			
trickle charge current:	9...30 mA	(recommended)			
continuous overcharge: (less than 1 year)	≤ 84 mA	no conspicuous deformation no leakage			
<b>internal resistance:</b> (impedance)	≤ 40 mΩ	at 1KHz battery fully charged			
<b>life expectancy:</b>	≥ 500 cycles	acc. IEC standard			
<b>self discharge</b>					
charge retention:	≥ 60 %	after 28 days storage at 20°C			
<b>ambient temperature 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 (≤1month)			
	- 20...40 °C	storage (≤3months)			
	- 20...30 °C	storage (≤12months)			
rel. humidity:	≤ 85 %				
QCT1:	20/800/45				
QCT2:	30/700/50				
<b>mechanical specifications</b>					
cell dimensions (incl. label)					
diameter d1:	max.	10.5 - 0.7 mm			
diameter d2:	min.	3.8 mm			
height h1:		44.5 - 1.5 mm			
height h2:		0.8 mm			
weight:		12.5 ± 1 g			
blister card dimensions:		123 x 85 mm			
blister card weight (incl. batteries):		56 g			

	<b>ANSMANN Specifications for model:</b>	<b>AAA - 1000mAh</b>
		<b>4pcs blister package</b>
	data sheet no. / part no.	5030882
	version no.	0
author / date	Gramlich / 03.03.2011	

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