

		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:	950 mAh	discharge at 0.2C			
	840 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:	500 mA	2.3hrs			
recommended charge termination control parameters:	0...5 mV	- delta V			
	0.8...1 °C	temperature rise per minute			
	45...50 °C	TCO (temperature cut off)			
trickle charge current:	5...15 mA	(recommended)			
continuous overcharge: (less than 1 year)	≤ 95 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:	≥ 75 %	after 12 months storage at 20°C			
<b>initial capacity:</b>	≥ 650 mAh	within 30 days after delivery discharge at 0.2C			
<b>ambient temperature range:</b>	0...45 °C	standard charge			
	10...40 °C	fast charge			
	0...45 °C	discharge (≥1C)			
	- 20...65 °C	discharge (<1C)			
	- 20...50 °C	storage (≤3months)			
	- 20...40 °C	storage (≤6months)			
	- 20...30 °C	storage (≤24months)			
QCT1:	20/900/45				
QCT2:	30/780/50				
<b>mechanical specifications</b>					
cell dimensions					
diameter d1:	10.5 - 0.7 mm				
diameter d2:	max. 3.8 mm				
height h1:	44.5 - 1.5 mm				
height h2:	min. 0.8 mm				
weight:	13 ± 2 g				
blister card dimensions:	123 x 85 mm				
blister card weight (incl. batteries):	34 g				

	<b>ANSMANN Specifications for model:</b>	<b>AAA - 1000mAh low self discharge 2pcs blister package</b>
	data sheet no. / part no.	5030892
	supplier no.	701372
	author / date	TG / 30.06.2015

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