

		Conditions	Diagrams
cell type:	NiMH		-Charge characteristics
cell size:	AAA		
nominal voltage:	1.2 V		-Discharge characteristics
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)	
capacity			-Capacity retention characteristics
nominal:	800 mAh	discharge at 0.2C	
minimum:	800 mAh	discharge at 0.2C	-Capacity retention characteristics
	760 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
max. continuous discharge current:	1600 mA	ta: 0...45°C	
charge	current	time	
standard charge:	80 mA	14...16hrs	
quick charge:	250 mA	4hrs	
fast charge:	800 mA	1.1hrs	
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	- delta V temperature rise per minute TCO (temperature cut off)	
trickle charge current:	8...30 mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 80 mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 45 mΩ	at 1KHz battery fully charged	
life expectancy:	≥ 500 cycles	acc. IEC standard	
self discharge			
charge retention:	≥ 75 %	after 12 months storage at 20°C	
initial capacity:	≥ 550 mAh	within 30 days after delivery discharge at 0.2C	
ambient temperature range:	0...45 °C 10...40 °C - 20...55 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months)	
QCT1:	20/700/50		
QCT2:	30/600/50		
mechanical specifications			
cell dimensions (incl. label)			
diameter d1:	10.5 - 0.3 mm		
diameter d2:	5.0 ± 1 mm		
height h1:	44.5 - 1.5 mm		
height h2:	0 + 1 mm		
weight:	12 ± 2 g		

	ANSMANN Specifications for model:	AAA - 800mAh NiMH RTU battery
	data sheet no. / part no.	2311-3003
	supplier no.	701344
	author / date	TG / 04.04.2013

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