

		Conditions		Diagrams	
cell type:	NiMH				
cell size:	AAA				
nominal voltage:	1.2 V	at standard charge (0.1C / 20°C)			
max. charge voltage:	1.5 V				
capacity					
nominal:	550 mAh	discharge at 0.2C			
minimum:	550 mAh 500 mAh	discharge at 1C 1.0V end discharge voltage ta: 20°C			
max. continuous discharge current:	1650 mA	ta: 0...45°C			
charge	current	time			
standard charge:	55 mA	14...16hrs			
quick charge:	170 mA	4hrs			
fast charge:	550 mA	1.1hrs			
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	- ΔV (-deltaV) temperature rise per minute TCO (temperature cut off)			
trickle charge current:	5...15 mA	(recommended)			
continuous overcharge: (less than 1 year)	≤ 55 mA	no conspicuous deformation no leakage			
internal resistance: (impedance)	≤ 50 mΩ	at 1KHz battery fully charged			
life expectancy:	≥ 500 cycles	acc. IEC standard			
self discharge					
charge retention:	≥ 80 %	after 12 months storage at 20°C			
initial capacity:	≥ 400 mAh	within 30 days after delivery discharge at 0.2C			
ambient temperature range:	0...45 °C 10...40 °C 0...45 °C - 20...65 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge (≥1C) discharge (<1C) storage (≤3months) storage (≤6months) storage (≤24months)			
QCT1:	20/500/50				
QCT2:	30/450/55				
mechanical specifications					
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:	11.5 ± 2 g				
blister card dimensions:	123 x 85 mm				
blister card weight (incl. batteries):	32 g				

	ANSMANN Specifications for model:	AAA - 550mAh low self discharge DECT 2pcs blister package
	data sheet no. / part no.	5035523
	supplier no.	702069
	author / date	Gramlich / 06.02.2012

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