

		Conditions		Diagrams	
cell type:		NiMH			
cell size:		AAA			
nominal voltage:	1.2	V			
max. charge voltage:	1.5	V			
		at standard charge (0.1C / 20°C)			
capacity					
nominal:	550	mAh			
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	0...5	mV		- ΔV (-deltaV)	
termination control	0.8...1	°C		temperature rise per minute	
parameters:	45...50	°C		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		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:	20/500/50				
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			

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ANSMANN Specifications for model:

data sheet no. / part no.

**AAA - 550mAh low self discharge
SOLAR 2pcs blister package**

1311-0001

supplier no.

702069

author / date

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