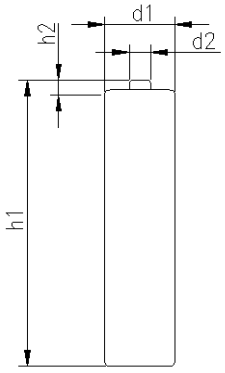
			Conditions
cell type:		NiMH	
cell size:		AAA	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	550	mAh	discharge at 0.2C
minimum:	550	mAh	discharge at 0.2C
	500	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
max. continuous discharge 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	- ΔV (-deltaV)
	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)	≤ 55	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 70	mΩ	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge charge retention:	≥ 75	%	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
	- 20...65	°C	discharge
	- 20...50	°C	storage (≤3months)
	- 20...40	°C	storage (≤6months)
	- 20...30	°C	storage (≤24months)

QCT1: 20/500/50
QCT2: 30/450/55

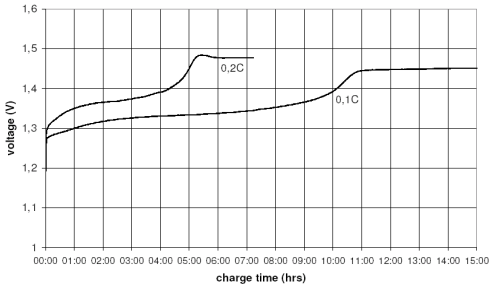
mechanical specifications

cell dimensions				
diameter d1:		10.3	- 0.7	mm
diameter d2:	max.	3.8		mm
height h1:		44.5	- 1.5	mm
height h2:	min.	0.8		mm
weight:		12.5	± 2	g

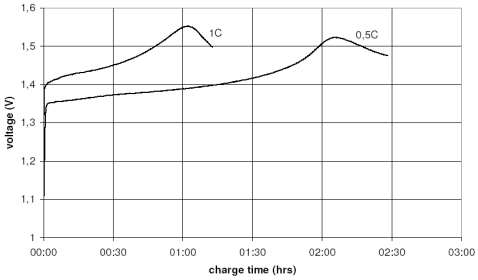


Diagrams

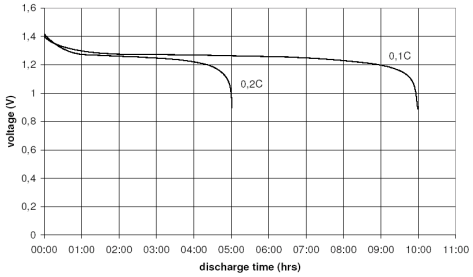
standard charge



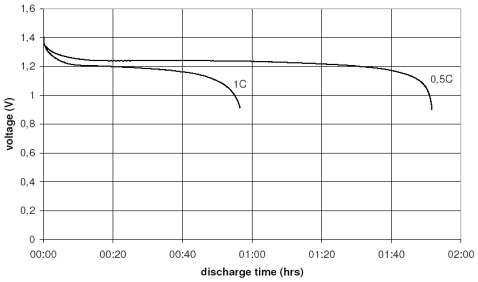
fast charge



low rate discharge



high rate discharge



ANSMANN	ANSMANN Specifications for model:	NiMH Battery AAA - 550mAh low self discharge
	data sheet no. / part no.	
	supplier no.	704271
	author / date	TG / 31.07.2018

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