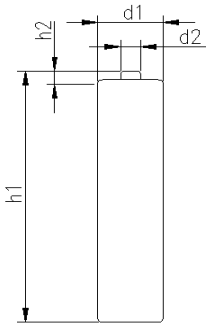
			Conditions
cell type:	NiMH		
cell size:	AAA		
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	1100	mAh	discharge at 0.2C
minimum:	1050	mAh	discharge at 0.2C
	950	mAh	discharge at 1C 1.0V end discharge voltage ta: 20°C
max. continuous discharge current:	3000	mA	ta: 0....45°C
charge	current		time
standard charge:	105	mA	14....16hrs
quick charge:	315	mA	4hrs
fast charge:	1050	mA	1.1hrs
recommended charge	0...5	mV	-ΔV (-delta V)
termination control	0.8...1	°C	temperature rise per minute
parameters:	45...50	°C	TCO (temperature cut off)
trickle charge current:	10…30	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 50	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 40	mΩ	at 1KHz battery fully charged
life expectancy:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention after 360 days storage at 20°C:	≥ 50	%	of minimal battery capacity; at 0.2C discharge to EV 1.0V
subsequent capacity:	≥ 525	mAh	
initial capacity:	≥ 750	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 (≤1month)
	- 20...40	°C	storage (≤3months)
	- 20...30	°C	storage (≤12months)
QCT1:	20/1000/40		
QCT2:	30/950/50		

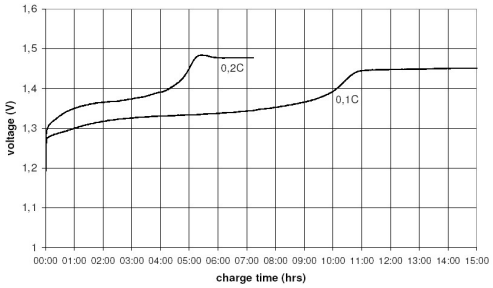
mechanical specifications

cell dimensions			
diameter d1 (incl. label):		10.5 - 0.7	mm
diameter d1 (bare cell):		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:		13.5 ± 2	g

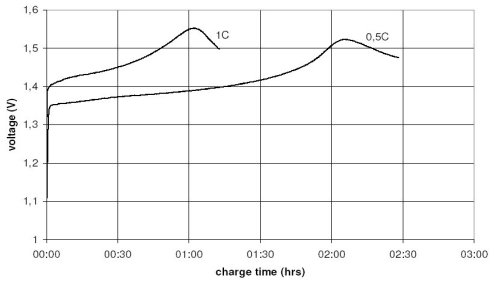


Diagrams

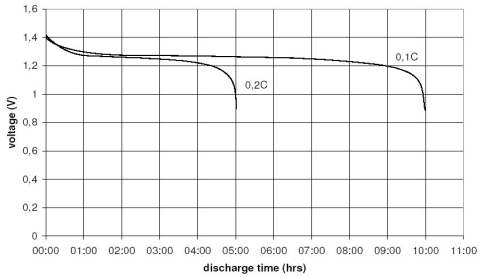
standard charge



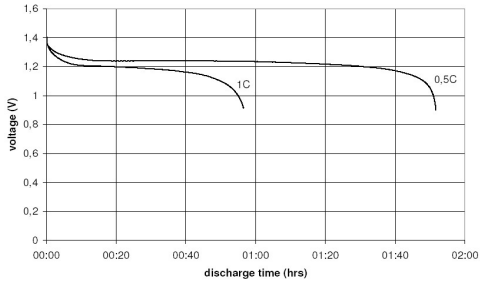
fast charge



low rate discharge



high rate discharge



	ANSMANN Specifications for model:	NiMH Battery AAA - 1100mAh low self discharge
	data sheet no. / part no.	5035221
	s.n.	701372
	author / date	TG / 19.06.2024

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