

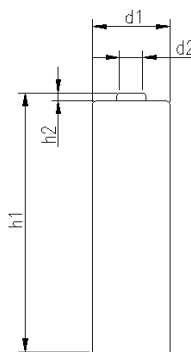
		Conditions
cell type:	NiMH	
cell size:	AA	
nominal voltage:	1.2 V	
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)
capacity		
nominal:	800 mAh	discharge at 0.2C
minimum:	800 mAh	discharge at 0.2C
	750 mAh	discharge at 1C
		1.0V end discharge voltage
		ta: 20°C
max. continuous discharge current:	2400 mA	ta: 0...45°C
charge		
standard charge:	current 80 mA	time 14....16hrs
quick charge:	240 mA	4hrs
fast charge:	800 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...25 mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 80 mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 50 mΩ	at 1KHz battery fully charged
life expectance:	≥ 500 cycles	acc. IEC standard
self discharge		
charge retention:	≥ 80 %	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...65 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months)

QCT1: 20/750/50
QCT2: 30/700/55

mechanical specifications

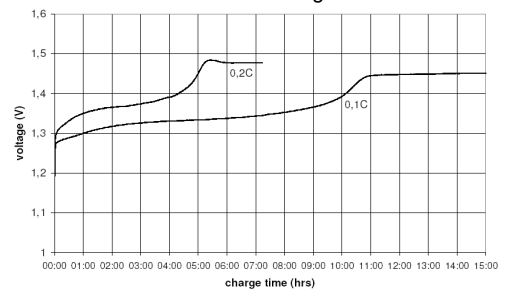
cell dimensions

diameter d1:	max.	14.3 - 0.7	mm
diameter d2:		5.5	mm
height h1:		50.4 - 0.5	mm
height h2:	min.	1.2	mm
weight:		17 ± 2	g

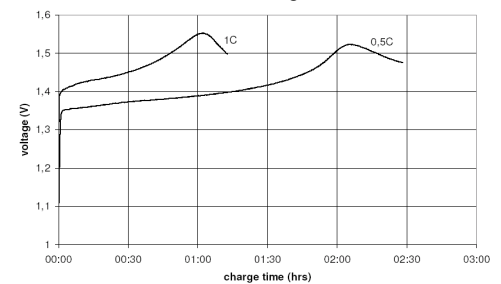


Diagrams

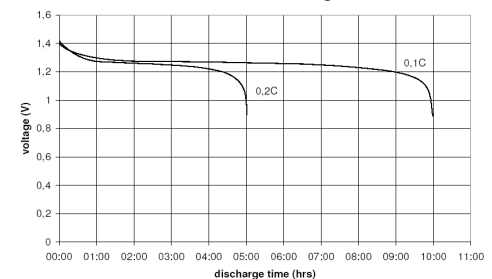
standard charge



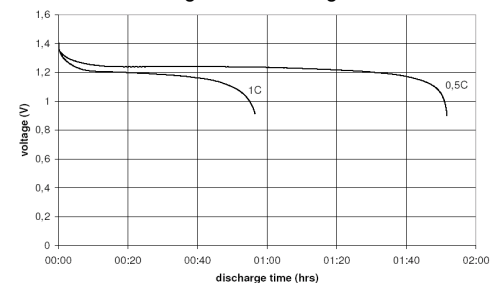
fast charge



low rate discharge



high rate discharge



	ANSMANN Specifications for model:	NiMH Battery
	data sheet no. / part no.	AA - 800mAh low self discharge
	supplier no.	702069
	author / date	TG / 01.08.2018