

		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:	2700 mAh	discharge at 0.2C
minimum:	2500 mAh	discharge at 0.2C
	2300 mAh	discharge at 1C
		1.0V end discharge voltage ta: 20°C
max. continuous discharge current:	5000 mA	ta: 0...45°C
charge		
standard charge:	current 270 mA	time 14....16hrs
quick charge:	750 mA	4hrs
fast charge:	2700 mA	1hr
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:	20...80 mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 200 mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 30 mΩ	at 1KHz battery fully charged
life expectance:	≥ 500 cycles	acc. IEC standard
self discharge		
charge retention:	≥ 60 %	after 28 days storage at 20°C
initial capacity:	≥ 750 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 (≤1month) storage (≤3months) storage (≤12months)

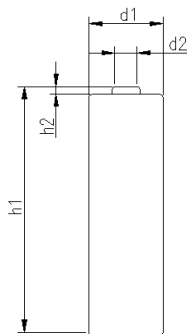
QCT1: 20/2400/35
QCT2: 30/2200/40

mechanical specifications

cell dimensions

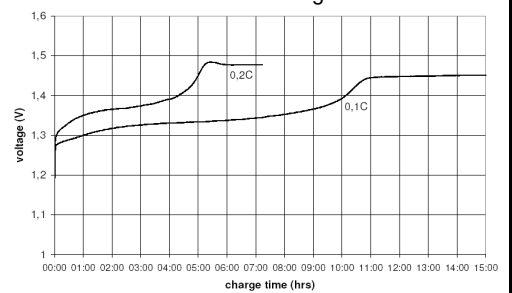
diameter d1:	14.5 - 0.7	mm
diameter d2:	max. 5.5	mm
height h1:	50.5 - 0.5	mm
height h2:	min. 1.2	mm
weight:	30 ± 2	g

blister card dimensions:	123 x 85	mm
blister card weight (incl. batteries):	68	g

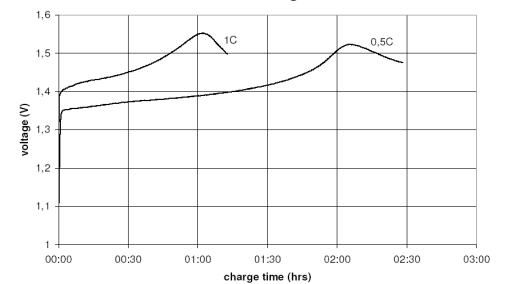


Diagrams

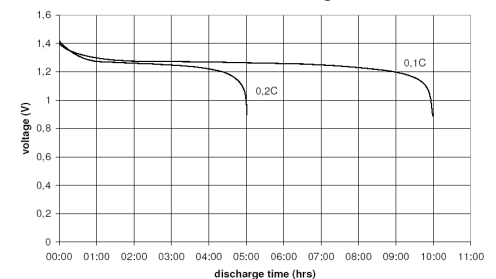
standard charge



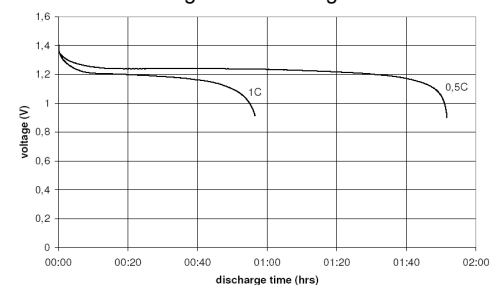
fast charge



low rate discharge



high rate discharge



	ANSMANN Specifications for model:	AA - 2700mAh
	data sheet no. / part no.	5030852
	supplier no.	701372
	author / date	TG / 13.06.2018