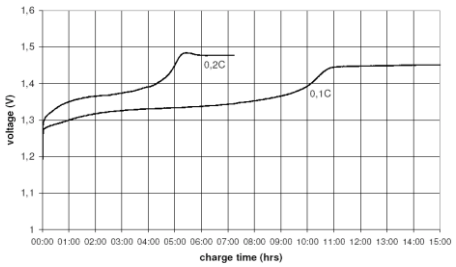
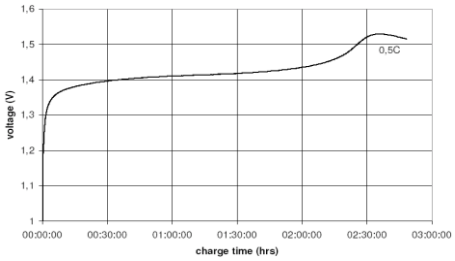
			Conditions
cell type:		NiMH	
cell size:		Sub-C	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	3000	mAh	discharge at 0.2C
minimum:	2850	mAh	discharge at 0.2C
	2600	mAh	discharge at 1C 1.0V end discharge voltage ta: 20°C
max. continuous discharge current:	15	A	ta: 0....45°C
max. peak current:	30	A	
charge	current		time
standard charge:	300	mA	14...16hrs
quick charge:	850	mA	4hrs
fast charge:	3000	mA	1.1hrs
recommended charge	0…5	mV	- delta V
termination control	0.8...1	°C	temperature rise per minute
parameters:	45...50	°C	TCO (temperature cut off)
trickle charge current:	30...150	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 300	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 6	mΩ	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 80	%	after 6 months storage
(at ≤ 20°C ambient)	≥ 75	%	after 12 months storage
initial capacity:	≥ 2100	mAh	within 30 days after delivery discharge at 0.2C
ambient temperature range:	0...45	°C	standard charge
	10...40	°C	fast charge
	- 20...55	°C	discharge
	- 20...55	°C	storage (≤1months)
	- 20...45	°C	storage (≤3months)
	- 20...35	°C	storage (≤12months)

Diagrams

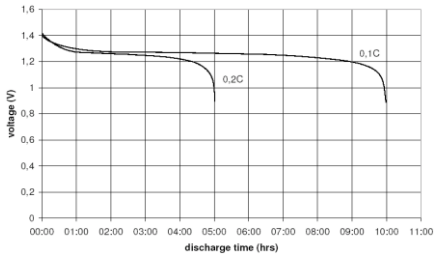
standard charge



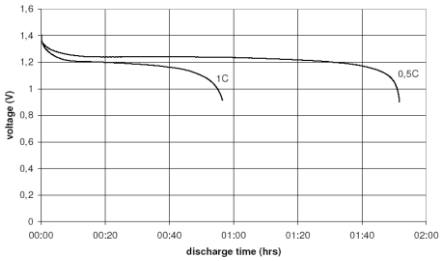
fast charge



low rate discharge



high rate discharge

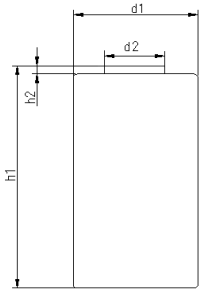


QCT1:	20/2700/6		
QCT2:	30/2550/8		

mechanical specifications

cell dimensions (incl. label)

diameter d1:		22.5	- 1.0	mm
diameter d2:		10.0	± 1.0	mm
height h1:		43.0	- 1.0	mm
height h2:	min.	0.3		mm
weight:		55	± 5	g



	ANSMANN Specifications for model:	SubC - 3000mAh low self discharge bulk package
	data sheet no. / part no.	2310-3004
	supplier no.	701344
	author / date	TG / 11.03.2016

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