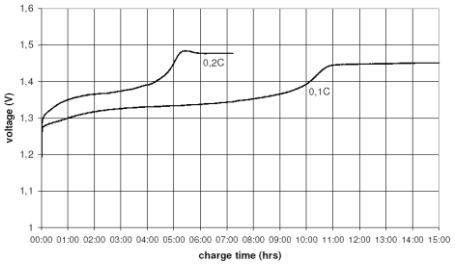
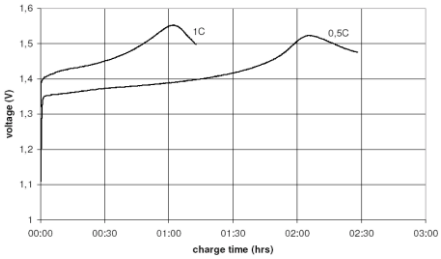
			Conditions
cell type:		NiMH	
cell size:		D	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	5000	mAh	discharge at 0.2C
minimum:	5000	mAh	discharge at 0.2C
	4500	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
max. continuous discharge current:	10000	mA	ta: 0....45°C
charge	current		time
standard charge:	500	mA	14....16hrs
quick charge:	1500	mA	4hrs
fast charge:	2500	mA	2.3hrs
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:	25...125	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 500	mA	no conspicuous deformation no leakage
internal resistance: (impedance)	≤ 10	mΩ	at 1KHz battery fully charged
life expectance:	≥ 500	cycles	acc. IEC standard
self discharge			
charge retention:	≥ 70	%	after 12 months storage at 20°C
initial capacity:	≥ 3500	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)

Diagrams

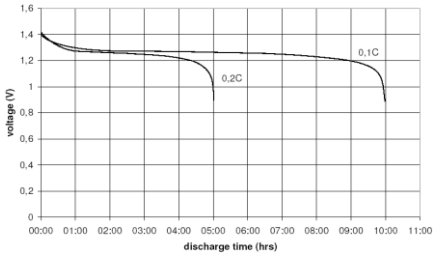
standard charge



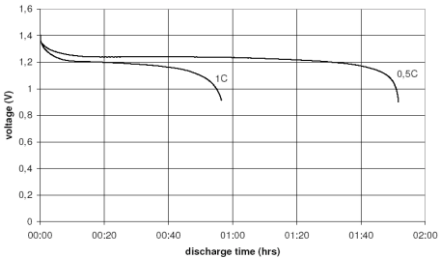
fast charge



low rate discharge



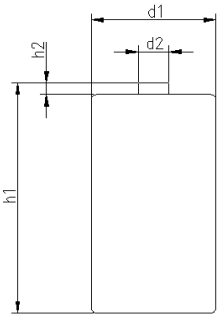
high rate discharge



QCT1: 20/4750/12
QCT2: 30/4500/12

mechanical specifications

cell dimensions				
diameter d1:		32.8	- 1.0	mm
diameter d2:	max.	9.5		mm
height h1:		61.5	- 2.0	mm
height h2:	min.	1.5		mm
weight:		110	± 5	g



ANSMANN®	**ANSMANN Specifications for model:**	**D - 5000mAh low self discharge bulk package**
	data sheet no. / part no.	5030921
	supplier no.	701372
	author / date	TG / 09.12.2015