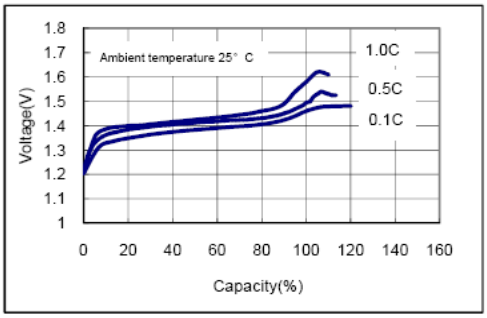
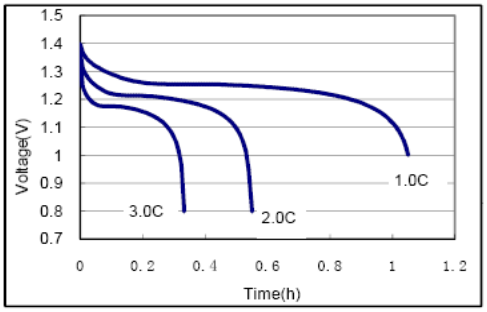
			Conditions
cell type:	NiMH		
cell size:	C		
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	4500	mAh	discharge at 0.2C
minimum:	4300	mAh	discharge at 0.2C
	3870	mAh	discharge at 1C 1.0V end discharge voltage ta: 20°C
max. continuous discharge current:	13.5	A	ta: 0....45°C
charge	current		time
standard charge:	450	mA	16hrs
quick charge:	1250	mA	4hrs
fast charge:	2000	mA	2.5hrs
recommended charge termination control parameters:	0...5	mV	- delta V
	0.8...1	°C	temperature rise per minute
	45...50	°C	TCO (temperature cut off)
trickle charge current:	40...200	mA	(recommended)
continuous overcharge: (less than 1 year)	≤ 400	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:	≥ 85	%	after 6 months storage
(at ≤ 20°C ambient)	≥ 80	%	after 12 months storage
initial capacity:	≥ 3000	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...50	°C	storage (≤3months)
	- 20...40	°C	storage (≤6months)
	- 20...30	°C	storage (≤24months)

Diagrams

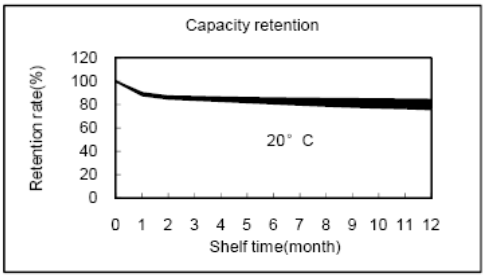
·Charge characteristics



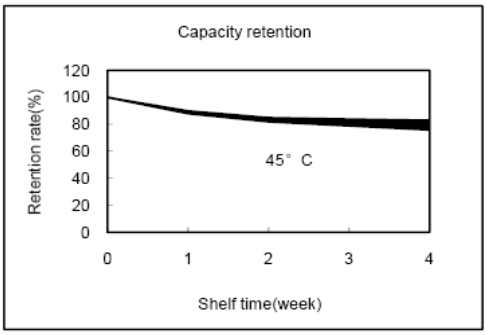
·Discharge characteristics



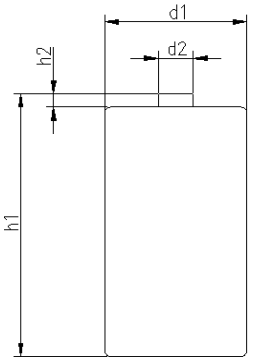
·Capacity retention characteristics



·Capacity retention characteristics



QCT1:	20/4100/10		
QCT2:	30/3800/15		
mechanical specifications			
cell dimensions			
diameter d1:	25.8	- 0.8	mm
diameter d2: approx.	11.0		mm
height h1:	50.0	- 2.0	mm
height h2:	0.0	- 0.3	mm
weight:	80	± 5	g



ANSMANN	ANSMANN Specifications for model:	C4500mAh FLAT TOP low self discharge bulk package
	data sheet no. / part no.	2310-3001
	supplier no.	701344
	author / date	TG / 10.02.2014