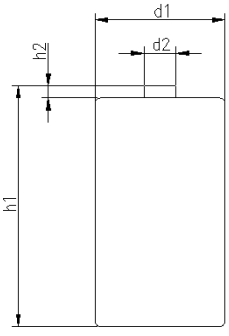
			Conditions
cell type:		NiMH	
cell size:		D	
nominal voltage:	1.2	V	
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)
capacity			
nominal:	9000	mAh	discharge at 0.2C
minimum:	8500	mAh	discharge at 0.2C
	7650	mAh	discharge at 1C
			1.0V end discharge voltage
			ta: 20°C
max. continuous discharge current:	24	A	ta: 0....45°C
charge	current		time
standard charge:	900	mA	14...16hrs
quick charge:	2500	mA	4hrs
fast charge:	4500	mA	2.2hrs
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:	85...285	mA	(recommended)
continuous overcharge: (less than 28 days)	≤ 850	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
(ta: 20°C)	≥ 75	%	after 12 months storage
initial capacity:	≥ 6000	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)

QCT1: 10/8300/25
QCT2: 12/8000/30

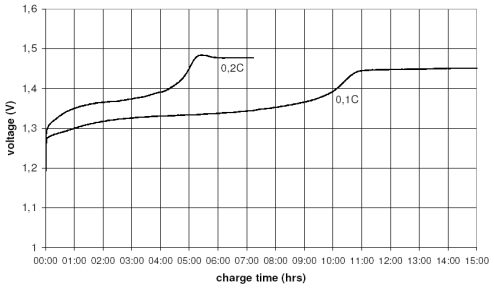
mechanical specifications

cell dimensions				
diameter d1:		33.0	- 0.8	mm
diameter d2:	approx.	12.0		mm
height h1:		61.0	- 1.5	mm
height h2:		0.0	- 0.5	mm
weight:		160	± 5	g

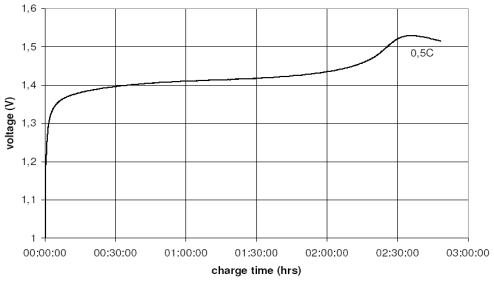


Diagrams

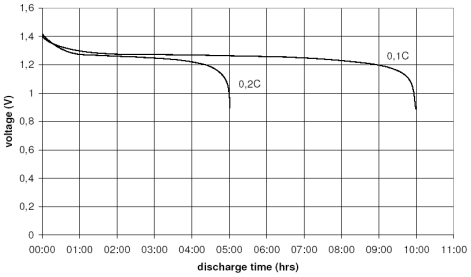
standard charge



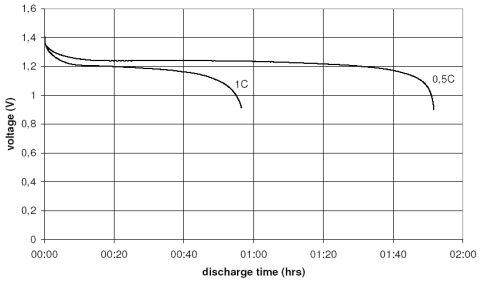
fast charge



low rate discharge



high rate discharge



tags
material: Fe, Nickel plated
length: 40mm
width: 6mm
thickness: 0.15mm

ANSMANN	ANSMANN Specifications for model:	D9000mAh RTU-type FLAT TOP with tags (Z-form) in plastic bag
	data sheet no. / part no.	2314-3003
	version no.	0
	author / date	TG/ 13.01.2013

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