

			Conditions	Diagrams
cell type:	NiMH			standard charge
cell size:	C			
nominal voltage:	1.2	V		
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)	
capacity				fast charge
nominal:	4500	mAh	discharge at 0.2C	
minimum:	4500	mAh	discharge at 0.2C	
	4200	mAh	discharge at 1C	
			1.0V end discharge voltage ta: 20°C	low rate discharge
max. continuous discharge current:	6750	mA	ta: 0...45°C	
charge	current	time		
standard charge:	450	mA	14....16hrs	
quick charge:	1350	mA	4hrs	high rate discharge
fast charge:	2250	mA	2.3hrs	
recommended charge	0...5	mV	- ΔV (-deltaV)	
termination control	0.8...1	°C	temperature rise per minute	
parameters:	45...50	°C	TCO (temperature cut off)	
trickle charge current:	45...150	mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 450	mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 20	mΩ	at 1KHz battery fully charged	
life expectance:	≥ 500	cycles	acc. IEC standard	
self discharge				
charge retention:	≥ 80	%	after 12 months storage at 20°C	
initial capacity:	≥ 3150	mAh	within 30 days after delivery discharge at 0.2C	
ambient temperature range:	0...45	°C	standard charge	
	10...40	°C	fast charge	
	0...45	°C	discharge (≥1C)	
	- 20...65	°C	discharge (<1C)	
	- 20...50	°C	storage (≤3months)	
	- 20...40	°C	storage (≤6months)	
	- 20...30	°C	storage (≤24months)	
QCT1:	20/4300/20			
QCT2:	30/4200/20			
mechanical specifications				
cell dimensions				
diameter d1:	25.6 - 1.0	mm		
diameter d2:	max. 7.5	mm		
height h1:	50.0 - 2.0	mm		
height h2:	min. 1.5	mm		
weight:	80 ± 4	g		
blister card dimensions:	123 x 85	mm		
blister card weight (incl. batteries):	168	g		
			ANSMANN Specifications for model:	C - 4500mAh low self discharge
			data sheet no. / part no.	5035352
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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice