

		Conditions	Diagrams
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:	4500 mAh	discharge at 0.2C	
	4200 mAh	discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
max. continuous discharge current:	6750 mA	ta: 0...45°C	
charge	current	time	
standard charge:	450 mA	14...16hrs	
quick charge:	1350 mA	4hrs	
fast charge:	2250 mA	2.3hrs	
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	- ΔV (-deltaV) temperature rise per minute 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 expectancy:	≥ 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 10...40 °C - 20...65 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤3months) storage (≤6months) 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
		2pcs blister package
	data sheet no. / part no.	5035352
	supplier no.	702069
	author / date	TG / 12.06.2018

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