

			Conditions	Diagrams
cell type:	NiMH			
cell size:	AA			
nominal voltage:	1.2	V	at standard charge (0.1C / 20°C)	standard charge
max. charge voltage:	1.5	V		
capacity				
nominal:	4500	mAh	discharge at 0.2C	fast charge
minimum:	4000	mAh	discharge at 0.2C	
	3600	mAh	discharge at 1C	low rate discharge
			1.0V end discharge voltage ta: 20°C	
max. continuous discharge current:	4000	mA	ta: 0...45°C	high rate discharge
charge	current	time		
standard charge:	400	mA	14hrs	
quick charge:	1150	mA	4hrs	
fast charge:	2000	mA	2.2hrs	
recommended charge	0...5	mV	- delta V	
termination control	0.8...1	°C	temperature rise per minute	
parameters:	45...50	°C	TCO (temperature cut off)	
trickle charge current:	40...200	mA	(recommended)	
continuous overcharge:	≤ 400	mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 20	mOhms at 1KHz	battery fully charged	
life expectancy:	≥ 500	cycles	accord. IEC standard	
self discharge				
charge retention:	≥ 85	%	after 6 months storage	
(at ≤ 20°C ambient)	≥ 80	%	after 12 months storage	
ambient temperature range:	0...45	°C	standard charge	
	10...40	°C	fast charge	
	- 20...60	°C	discharge	
	- 20...35	°C	storage	
QCT1:	20/3800/25			
QCT2:	30/3600/30			
mechanical specifications				
cell dimensions (incl. label)				
diameter d1:	max.	25.8 - 1.0	mm	
diameter d2:		7.5	mm	
height h1:		50.0 - 2.0	mm	
height h2:	min.	1.5	mm	
weight:		80 ± 4	g	

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ANSMANN Specifications for model:

data sheet no. / part no.

**C - 4500mAh NiMH MaxE
Low Self Discharge Type**

5035351

version no.

0

author / date

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