

		Conditions	Diagrams
<b>cell type:</b>		NiMH	<p><b>standard charge</b></p> <p><b>fast charge</b></p> <p><b>low rate discharge</b></p> <p><b>high rate discharge</b></p>
<b>cell size:</b>		C	
<b>nominal voltage:</b>	1.2	V	
<b>max. charge voltage:</b>	1.5	V	
		at standard charge (0.1C / 20°C)	
<b>capacity</b>			
nominal:	3000	mAh	
minimum:	2500	mAh	
	2250	mAh	
		discharge at 0.2C	
		discharge at 0.2C	
		discharge at 1C	
		1.0V end discharge voltage	
		ta: 20°C	
<b>max. continuous discharge current:</b>	5000	mA	
		ta: 0...45°C	
<b>charge</b>			
standard charge:	300	mA	
quick charge:	800	mA	
fast charge:	3000	mA	
		time	
		14...16hrs	
		4hrs	
		1hr	
recommended charge	0...5	mV	
termination control	0.8...1	°C	
parameters:	45...50	°C	
		- ΔV (-deltaV)	
		temperature rise per minute	
		TCO (temperature cut off)	
trickle charge current:	25...75	mA	
		(recommended)	
continuous overcharge: (less than 1 year)	≤ 250	mA	
		no conspicuous deformation	
		no leakage	
<b>internal resistance:</b> (impedance)	≤ 30	mΩ	
		at 1KHz	
		battery fully charged	
<b>life expectancy:</b>	≥ 500	cycles	
		acc. IEC standard	
<b>self discharge</b>			
charge retention:	≥ 80	%	
		after 12 months	
		storage at 20°C	
<b>initial capacity:</b>	≥ 1700	mAh	
		within 30 days after delivery	
		discharge at 0.2C	
<b>ambient temperature range:</b>			
	0...45	°C	
	10...40	°C	
	0...45	°C	
	- 20...65	°C	
	- 20...50	°C	
	- 20...40	°C	
	- 20...30	°C	
		standard charge	
		fast charge	
		discharge (≥1C)	
		discharge (<1C)	
		storage (≤3months)	
		storage (≤6months)	
		storage (≤24months)	
QCT1:	20/2350/30		
QCT2:	30/2200/35		
<b>mechanical specifications</b>			
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:	60 ± 4	g	
blister card dimensions:	120 x 85	mm	
blister card weight (incl. batteries):	126	g	



**ANSMANN Specifications for model:**

data sheet no. / part no.	5035302
supplier no.	702069
author / date	TG / 16.02.2016

**C - 3000mAh low self discharge HyCell 2pcs blister package**

data sheet no. / part no.	5035302
supplier no.	702069
author / date	TG / 16.02.2016