

		Conditions		Diagrams		
cell type:	NiMH					
cell size:	C					
nominal voltage:	1.2 V	at standard charge (0.1C / 20°C)				
max. charge voltage:	1.5 V					
capacity						
nominal:	3000 mAh	discharge at 0.2C				
minimum:	2500 mAh	discharge at 0.2C				
	2250 mAh	discharge at 1C				
		1.0V end discharge voltage ta: 20°C				
max. continuous discharge current:	5000 mA	mA	ta: 0...45°C			
charge	current	time				
standard charge:	300 mA	14...16hrs				
quick charge:	800 mA	4hrs				
fast charge:	3000 mA	1hr				
recommended charge termination control parameters:	0...5 mV	- ΔV (-deltaV)				
	0.8...1 °C	temperature rise per minute				
	45...50 °C	TCO (temperature cut off)				
trickle charge current:	25...75 mA	(recommended)				
continuous overcharge: (less than 1 year)	≤ 250 mA	no conspicuous deformation no leakage				
internal resistance: (impedance)	≤ 30 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:	≥ 1700 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:	20/2350/30					
QCT2:	30/2200/35					
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:	60 ± 4	g				
blister card dimensions:	120 x 85	mm				
blister card weight (incl. batteries):	126	g				



ANSMANN Specifications for model:	C - 3000mAh low self discharge HyCell 2pcs blister package
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supplier no.	702069
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