

		Conditions		Diagrams	
cell type:		NiMH			
cell size:		D			
nominal voltage:	1.2	V			
max. charge voltage:	1.5	V	at standard charge (0.1C / 20°C)		
capacity					
nominal:	10000	mAh	discharge at 0.2C		
minimum:	9300	mAh	discharge at 0.2C		
	8500	mAh	discharge at 1C		
			1.0V end discharge voltage ta: 20°C		
max. continuous discharge current:	10	A	ta: 0...45°C		
charge	current	time			
standard charge:	1000	mA	14...16hrs		
quick charge:	2750	mA	4hrs		
fast charge:	5000	mA	2.3hrs		
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:	50...350	mA	(recommended)		
continuous overcharge: (less than 1 year)	≤ 750	mA	no conspicuous deformation no leakage		
internal resistance: (impedance)	≤ 12	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:	≥ 6000	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:	20/9000/12				
QCT2:	30/8500/12				
mechanical specifications					
cell dimensions					
diameter d1:	32.8 - 1.0	mm			
diameter d2:	max. 9.5	mm			
height h1:	61.5 - 2.0	mm			
height h2:	min. 1.5	mm			
weight:	157 ± 8	g			

75


ANSMANN Specifications for model:
D - 10000mAh low self discharge bulk package

data sheet no. / part no.

5030641

supplier no.

702069

author / date

TG / 31.03.2016