

		Conditions		Diagrams	
cell type:		NiMH			
cell size:		E-block			
nominal voltage:	8.4	V			
max. charge voltage:	10.5	V	at standard charge (0.1C / 20°C)		
capacity					
nominal:	200	mAh	discharge at 0.2C		
minimum:	200 180	mAh	discharge at 0.2C discharge at 1C		
			7.0V end discharge voltage ta: 20°C		
max. continuous discharge current:	400	mA	ta: 0...45°C		
charge					
standard charge:	20	mA	14...16hrs		
quick charge:	60	mA	4hrs		
fast charge:	200	mA	1.2hrs		
recommended charge termination control parameters:	15...35	mV	- delta V		
	120	%	of nominal input by timer cut off		
trickle charge current:	2...10	mA	(recommended)		
continuous overcharge: (less than 1 year)	≤ 20	mA	no conspicuous deformation no leakage		
internal resistance: (impedance)	≤ 0.8	Ω	at 1KHz battery fully charged		
life expectancy:	≥ 500	cycles	acc. IEC standard		
self discharge					
charge retention: (at ≤ 20°C ambient)	≥ 85	%	after 6 months storage		
	≥ 80	%	after 12 months storage		
initial capacity:	≥140	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:	20/180/750				
QCT2:	30/170/800				
mechanical specifications					
cell dimensions (incl. label)					
Length L1:	26.5 - 2.0	mm			
Length L2:	17.5 - 2.0	mm			
Length L3:	12.7 ± 0.25	mm			
height h1:	48.5 - 1.0	mm			
weight:	41 ± 4	g			



ANSMANN Specifications for model:	9V-E-block 200mAh low self discharge
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