



**THE DATASHEET OF
5030492-XX**



		Conditions		Diagrams	
cell type:		NiMH			
cell size:		AA			
nominal voltage:	1.2	V			
max. charge voltage:	1.45	V	at standard charge (0.1C / 20°C)		
capacity					
nominal:	2400	mAh	discharge at 0.2C		
minimum:	2000	mAh	discharge at 0.2C		
	1900	mAh	discharge at 1C		
			1.0V end discharge voltage		
			ta: 20°C		
max. continuous discharge current:	4800	mA	ta: 0...45°C		
charge		current	time		
standard charge:	240	mA	14...16hrs		
quick charge:	650	mA	4hrs		
fast charge:	2400	mA	1.1hrs		
recommended charge	5...10	mV	- delta V		
termination control	0.8...1	°C	temp. increase per minute		
parameters:	45...50	°C	TCO (temperature cut off)		
trickle charge current:	25...70	mA	(recommended)		
continuous overcharge: (less than 1 year)	≤ 200	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:	≥ 60	%	after 28 days storage at 20°C		
ambient temperature range:					
	0...45	°C	standard charge		
	10...40	°C	fast charge		
	- 20...65	°C	discharge (≤1.0C)		
	0...45	°C	discharge (>1.0C)		
	- 20...50	°C	storage (≤1month)		
	- 20...40	°C	storage (≤3months)		
	- 20...30	°C	storage (≤12months)		
QCT1:	20/1850/35				
QCT2:	30/1600/40				
mechanical specifications					
cell dimensions					
diameter d1:	14.15	- 0.5	mm		
diameter d2:	max.	5.5	mm		
height h1:	50.3	- 0.5	mm		
height h2:	min.	1.2	mm		
weight:	29	± 2	g		

	ANSMANN Specifications for model:	AA - 2400mAh bare cell bulk package
	data sheet no. / part no.	5035180
	version no.	0
	author / date	Gramlich / 19.03.2009

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

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