



**THE DATASHEET OF
5030922-XX**



		Conditions		Diagrams	
cell type:		NiMH			
cell size:		D			
nominal voltage:	1.2	V	at standard charge (0.1C / 20°C)		
max. charge voltage:	1.5	V			
capacity					
nominal:	5000	mAh	discharge at 0.2C		
minimum:	5000	mAh	discharge at 0.2C		
	4500	mAh	discharge at 1C		
			1.0V end discharge voltage ta: 20°C		
max. continuous discharge current:	7500	mA	ta: 0...45°C		
charge		current	time		
standard charge:	500	mA	14....16hrs		
quick charge:	1500	mA	4hrs		
fast charge:	2500	mA	2.3hrs		
recommended charge	0...5	mV	- ΔV (-deltaV)		
termination control	0.8...1	°C	temperature rise per minute		
parameters:	45...50	°C	TCO (temperature cut off)		
trickle charge current:	25...150	mA	(recommended)		
continuous overcharge: (less than 1 year)	≤ 500	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:	≥ 3500	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:	20/4750/20				
QCT2:	30/4500/20				
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:	115 ± 5	g			
blister card dimensions:	123 x 85	mm			
blister card weight (incl. batteries):	240	g			
		ANSMANN Specifications for model:		D - 500mAh low self discharge 2pcs blister package	
		data sheet no. / part no.			
		supplier no.		702069	
		author / date		TG / 18.06.2024	

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