

		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:	9000 mAh	discharge at 0.2C			
minimum:	8500 mAh	discharge at 0.2C			
	7650 mAh	discharge at 1C			
		1.0V end discharge voltage ta: 20°C			
max. continuous discharge current:	24 A	ta: 0...45°C			
charge	current	time			
standard charge:	900 mA	14...16hrs			
quick charge:	2500 mA	4hrs			
fast charge:	4500 mA	2.2hrs			
recommended charge termination control parameters:	0...5 mV	- delta V			
	0.8...1 °C	temperature rise per minute			
	45...50 °C	TCO (temperature cut off)			
trickle charge current:	85...285 mA	(recommended)			
continuous overcharge: (less than 28 days)	≤ 850 mA	no conspicuous deformation no leakage			
internal resistance: (impedance)	≤ 6 mΩ	at 1KHz battery fully charged			
life expectancy:	≥ 500 cycles	acc. IEC standard			
self discharge					
charge retention: (ta: 20°C)	≥ 80 %	after 6 months storage			
	≥ 75 %	after 12 months storage			
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			
	- 20...55 °C	discharge			
	- 20...50 °C	storage (≤3months)			
	- 20...40 °C	storage (≤6months)			
	- 20...30 °C	storage (≤24months)			
QCT1:	10/8300/25				
QCT2:	12/8000/30				
mechanical specifications					
cell dimensions					
diameter d1:	33.0 - 0.8 mm				
diameter d2:	approx. 12.5 mm				
height h1:	61.0 - 1.5 mm				
height h2:	0.0 - 0.5 mm				
weight:	160 ± 5 g				


ANSMANN Specifications for model:

data sheet no. / part no.

version no.

author / date

D8500mAh FLAT TOP
low self discharge bulk package

2310-3002

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