

		Conditions	Diagrams
cell type:	NiMH		Charge characteristics
cell size:	C		
nominal voltage:	1.2 V	at standard charge (0.1C / 20°C)	Discharge characteristics
max. charge voltage:	1.5 V		
capacity		discharge at 0.2C discharge at 0.2C discharge at 1C 1.0V end discharge voltage ta: 20°C	Capacity retention characteristics
nominal:	4500 mAh		
minimum:	4300 mAh 3870 mAh		
max. continuous discharge current:	13.5 A	ta: 0...45°C	Capacity retention characteristics
charge	current	time	
standard charge:	450 mA	16hrs	Capacity retention characteristics
quick charge:	1250 mA	4hrs	
fast charge:	2000 mA	2.5hrs	
recommended charge termination control parameters:	0...5 mV 0.8...1 °C 45...50 °C	- delta V temperature rise per minute TCO (temperature cut off)	Capacity retention characteristics
trickle charge current:	40...200 mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 400 mA	no conspicuous deformation no leakage	
internal resistance: (impedance)	≤ 6 mΩ	at 1KHz battery fully charged	Capacity retention characteristics
life expectancy:	≥ 500 cycles	acc. IEC standard	
self discharge			
charge retention: (at ≤ 20°C ambient)	≥ 85 % ≥ 80 %	after 6 months storage after 12 months storage	Capacity retention characteristics
initial capacity:	≥ 3000 mAh	within 30 days after delivery discharge at 0.2C	
ambient temperature range:	0...45 °C 10...40 °C - 20...55 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months)	
QCT1:	20/4100/10		mechanical specifications
QCT2:	30/3800/15		
cell dimensions			
diameter d1:	approx. 25.8 - 0.8 mm		tags material: nickel length: 30mm width: 5mm thickness: 0.12mm
diameter d2:	11.0 mm		
height h1:	50.0 - 2.0 mm		
height h2:	0.0 - 0.3 mm		tags material: nickel length: 30mm width: 5mm thickness: 0.12mm
weight:	80 ± 5 g		


ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

C4500mAh RTU-type FLAT TOP with tags (Z-form) in plastic bag

2310-3007

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