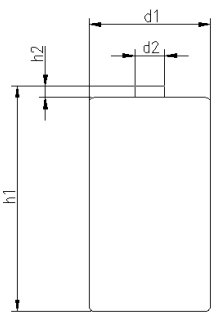


		Conditions	Diagrams
cell type:	NiMH		
cell size:	C		
nominal voltage:	1.2 V		
max. charge voltage:	1.5 V	at standard charge (0.1C / 20°C)	
capacity			
nominal:	4500 mAh	discharge at 0.2C	
minimum:	4300 mAh	discharge at 0.2C	
	3870 mAh	discharge at 1C	
		1.0V end discharge voltage ta: 20°C	
max. continuous discharge current:	13.5 A	ta: 0...45°C	
charge			
standard charge:	current 450 mA	time 16hrs	
quick charge:	1250 mA	4hrs	
fast charge:	2000 mA	2.5hrs	
recommended charge	0...5 mV	- delta V	
termination control	0.8...1 °C	temperature rise per minute	
parameters:	45...50 °C	TCO (temperature cut off)	
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	
life expectancy:	≥ 500 cycles	acc. IEC standard	
self discharge			
charge retention:	≥ 85 %	after 6 months storage	
(at ≤ 20°C ambient)	≥ 80 %	after 12 months storage	
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		
QCT2:	30/3800/15		
mechanical specifications			
cell dimensions			
diameter d1:	25.8 - 0.8 mm		
diameter d2:	approx. 11.0 mm		
height h1:	50.0 - 2.0 mm		
height h2:	0.0 - 0.3 mm		
weight:	80 ± 5 g		
			
		tags material: nickel length: 30mm width: 5mm thickness: 0.12mm	
			
		ANSMANN Specifications for model:	C4500mAh RTU-type FLAT TOP with tags (Z-form) in plastic bag
		data sheet no. / part no.	2310-3007
		supplier no.	701344
		author / date	TG / 10.03.2016