

		Conditions	Diagrams
<b>cell type:</b>	NiMH		<b>Charge characteristics</b> 
<b>cell size:</b>	C		
<b>nominal voltage:</b>	1.2 V	at standard charge (0.1C / 20°C)	<b>Discharge characteristics</b> 
<b>max. charge voltage:</b>	1.5 V		
<b>capacity</b>			<b>Capacity retention characteristics</b> 
<b>nominal:</b>	4500 mAh	discharge at 0.2C	
<b>minimum:</b>	4300 mAh	discharge at 0.2C	<b>Capacity retention characteristics</b> 
	3870 mAh	discharge at 1C	
		1.0V end discharge voltage ta: 20°C	
<b>max. continuous discharge current:</b>	13.5 A	ta: 0...45°C	
<b>charge</b>	current	time	
standard charge:	450 mA	16hrs	
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)	
trickle charge current:	40...200 mA	(recommended)	
continuous overcharge: (less than 1 year)	≤ 400 mA	no conspicuous deformation no leakage	
<b>internal resistance:</b> (impedance)	≤ 6 mΩ	at 1KHz battery fully charged	
<b>life expectancy:</b>	≥ 500 cycles	acc. IEC standard	
<b>self discharge</b>			
charge retention: (at ≤ 20°C ambient)	≥ 85 % ≥ 80 %	after 6 months storage after 12 months storage	
<b>initial capacity:</b>	≥ 3000 mAh	within 30 days after delivery discharge at 0.2C	
<b>ambient temperature range:</b>	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		
<b>mechanical specifications</b>			
cell dimensions			
diameter d1:	approx. 25.8 - 0.8 mm		
diameter d2:	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:**

data sheet no. / part no.

supplier no.

author / date

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

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