

		Conditions		Diagrams	
<b>cell type:</b>	NiMH				
<b>cell size:</b>	D				
<b>nominal voltage:</b>	1.2 V	at standard charge (0.1C / 20°C)			
<b>max. charge voltage:</b>	1.5 V				
<b>capacity</b>					
<b>nominal:</b>	9000 mAh	discharge at 0.2C			
<b>minimum:</b>	8500 mAh	discharge at 0.2C			
	7650 mAh	discharge at 1C			
		1.0V end discharge voltage ta: 20°C			
<b>max. continuous discharge current:</b>	24 A	ta: 0...45°C			
<b>charge</b>	current	time			
<b>standard charge:</b>	900 mA	14...16hrs			
<b>quick charge:</b>	2500 mA	4hrs			
<b>fast charge:</b>	4500 mA	2.2hrs			
<b>recommended charge termination control parameters:</b>	0...5 mV	- delta V			
	0.8...1 °C	temperature rise per minute			
	45...50 °C	TCO (temperature cut off)			
<b>trickle charge current:</b>	85...285 mA	(recommended)			
<b>continuous overcharge:</b> (less than 28 days)	≤ 850 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>					
<b>charge retention:</b> (ta: 20°C)	≥ 80 %	after 6 months storage			
	≥ 75 %	after 12 months storage			
<b>initial capacity:</b>	≥ 6000 mAh	within 30 days after delivery discharge at 0.2C			
<b>ambient temperature range:</b>	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)			
<b>QCT1:</b>	10/8300/25			tags material: Fe, Nickel plated length: 40mm width: 6mm thickness: 0.15mm	
<b>QCT2:</b>	12/8000/30				
<b>mechanical specifications</b>					
<b>cell dimensions</b>					
<b>diameter d1:</b>	approx. 33.0 - 0.8 mm				
<b>diameter d2:</b>	12.0 mm				
<b>height h1:</b>	61.0 - 1.5 mm				
<b>height h2:</b>	0.0 - 0.5 mm				
<b>weight:</b>	160 ± 5 g				



**ANSMANN Specifications for model:**

data sheet no. / part no.

version no.

author / date

**D9000mAh RTU-type FLAT TOP with tags (Z-form) in plastic bag**

2314-3003

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