

		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>	10000 mAh	discharge at 0.2C			
<b>minimum:</b>	9300 mAh 8500 mAh	discharge at 1C 1.0V end discharge voltage ta: 20°C			
<b>max. continuous discharge current:</b>	10 A	ta: 0...45°C			
<b>charge</b>	current	time			
<b>standard charge:</b>	1000 mA	14...16hrs			
<b>quick charge:</b>	2750 mA	4hrs			
<b>fast charge:</b>	5000 mA	2.3hrs			
<b>recommended charge termination control parameters:</b>	0...5 mV 0.8...1 °C 45...50 °C	- ΔV (-deltaV) temperature rise per minute TCO (temperature cut off)			
<b>trickle charge current:</b>	50...350 mA	(recommended)			
<b>continuous overcharge:</b> (less than 1 year)	≤ 750 mA	no conspicuous deformation no leakage			
<b>internal resistance:</b> (impedance)	≤ 12 mΩ	at 1KHz battery fully charged			
<b>life expectancy:</b>	≥ 500 cycles	acc. IEC standard			
<b>self discharge</b>					
<b>charge retention:</b>	≥ 80 %	after 12 months storage at 20°C			
<b>initial capacity:</b>	≥ 6000 mAh	within 30 days after delivery discharge at 0.2C			
<b>ambient temperature range:</b>	0...45 °C 10...40 °C 0...45 °C - 20...65 °C - 20...50 °C - 20...40 °C - 20...30 °C	standard charge fast charge discharge (≥1C) discharge (<1C) storage (≤3months) storage (≤6months) storage (≤24months)			
<b>QCT1:</b>	20/9000/12				
<b>QCT2:</b>	30/8500/12				
<b>mechanical specifications</b>					
<b>cell dimensions</b>					
<b>diameter d1:</b>	32.8 - 1.0 mm				
<b>diameter d2:</b>	max. 9.5 mm				
<b>height h1:</b>	61.5 - 2.0 mm				
<b>height h2:</b>	min. 1.5 mm				
<b>weight:</b>	157 ± 8 g				
<b>blister card dimensions:</b>	123 x 85 mm				
<b>blister card weight (incl. batteries):</b>	320 g				
	<b>ANSMANN Specifications for model:</b>		<b>D - 10000mAh low self discharge 2pcs blister package</b>		
	data sheet no. / part no.		5030642		
	supplier no.		702069		
	author / date		TG / 31.03.2016		