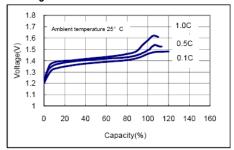
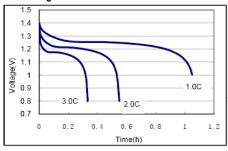
cell type: cell size: NiMH AAA Conditions nominal voltage: max. charge voltage: 1.2 V at standard charge (0.1C / 20°C) capacity nominal: minimum: 800 mAh discharge at 0.2C discharge discharge at 0.2C discharge at 0.2C discharge discharge at 0.2C discharge discharge at 0.2C discharge disch				
max. charge voltage: 1.5				Conditions
nominal: 800 mAh discharge at 0.2C minimum: 760 mAh discharge at 0.2C discharge at 0.2C discharge at 0.2C discharge at 0.2C discharge at 0.2C 1.0V end discharge voltage ta: 20°C max. continuous discharge current: 1600 charge current standard charge: 80 quick charge: 250 mA quick charge: 250 mA fast charge: 800 mA 1.1hrs recommended charge termination control parameters: 05 mV - delta V trickle charge current: 830 mA (recommended) continuous overcharge: 4550 °C TCO (temperature cut off) trickle charge current: 830 mA no conspicuous deformation no leakage internal resistance: ≤ 45 mΩ at 1KHz battery fully charged life expectance: ≥ 500 cycles acc. IEC standard self discharge charge retention: ≥ 75 % after 12 months storage at 20°C initial capa			-	ı ı
discharge current: 1600 mA ta: 045°C charge standard charge: quick charge: 80 mA 1416hrs quick charge: 800 mA 1416hrs fast charge: 800 mA 1.1hrs recommended charge termination control parameters: 05 mV - delta V temperature rise per minute temperature cut off) trickle charge current: 830 mA (recommended) continuous overcharge: (less than 1 year) ≤ 80 mA no conspicuous deformation no leakage internal resistance: (impedance) ≤ 45 mΩ at 1KHz battery fully charged life expectance: ≥ 500 cycles acc. IEC standard self discharge charge retention: ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge (≤3months) 040 °C col55 °C discharge 2055 °C storage (≤3months) 2040 °C storage (≤24months) 2030 °C storage (≤24months)	nominal: minimum:	800 760	mAh mAh	discharge at 0.2C discharge at 1C discharge at 0.2C 1.0V end discharge voltage
standard charge: quick charge: fast charge: 80 mA 1416hrs 4hrs fast charge: 800 mA 1.1hrs recommended charge termination control parameters: 4550 °C TCO (temperature rise per minute TCO (temperature cut off) trickle charge current: 830 mA (recommended) continuous overcharge: (less than 1 year) internal resistance: (impedance) life expectance: ≥ 500 cycles acc. IEC standard self discharge charge retention: ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge 2055 °C discharge 2055 °C storage (≤3months) 2030 °C storage (≤24months) 2030 °C storage (≤24months) QCT1: 20/700/50		1600	mA	ta: 045°C
termination control parameters: 4550 °C temperature rise per minute TCO (temperature cut off) trickle charge current: 830 mA (recommended) continuous overcharge: ⟨ 80 mA no conspicuous deformation no leakage internal resistance: ⟨ 45 mΩ at 1KHz battery fully charged life expectance: ≥ 500 cycles acc. IEC standard self discharge charge retention: ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge 2055 °C discharge 2055 °C discharge 2050 °C storage (≤3months) 2030 °C storage (≤24months) QCT1: 20/700/50	standard charge: quick charge:	80 250	mA	1416hrs 4hrs
continuous overcharge: (less than 1 year) internal resistance: (impedance) life expectance: ≥ 500 cycles acc. IEC standard self discharge charge retention: ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge 2055 °C discharge 2055 °C discharge 2050 °C storage (≤3months) 2040 °C storage (≤6months) 2030 °C storage (≤24months) QCT1: 20/700/50	termination control	0.81	°C	temperature rise per minute
(less than 1 year) no leakage internal resistance: (impedance) ≤ 45 mΩ at 1KHz battery fully charged life expectance: ≥ 500 cycles acc. IEC standard self discharge charge retention: ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge 2055 °C discharge 2050 °C storage (≤3months) 2040 °C storage (≤6months) 2030 °C storage (≤24months) QCT1: 20/700/50	trickle charge current:	830	mA	(recommended)
(impedance) battery fully charged life expectance: ≥ 500 cycles acc. IEC standard self discharge charge retention: ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge 2055 °C discharge 2055 °C discharge 2050 °C storage (≤3months) 2040 °C storage (≤6months) 2030 °C storage (≤24months) QCT1: 20/700/50		≤ 80	mA	
self discharge ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge 255 °C discharge 255 °C discharge 250 °C storage (≤3months) 250 °C storage (≤6months) 230 °C storage (≤24months) QCT1: 20/700/50		≤ 45	mΩ	
charge retention: ≥ 75 % after 12 months storage at 20°C initial capacity: ≥ 550 mAh within 30 days after delivery discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge 2055 °C discharge 2050 °C storage (≤3months) 2040 °C storage (≤6months) 2030 °C storage (≤24months)	life expectance:	≥ 500	cycles	acc. IEC standard
discharge at 0.2C ambient temperature range: 045 °C standard charge 1040 °C fast charge - 2055 °C discharge - 2050 °C storage (≤3months) - 2040 °C storage (≤6months) - 2030 °C storage (≤24months)		≥ 75	%	
range: 045 °C standard charge 1040 °C fast charge - 2055 °C discharge - 2050 °C storage (≤3months) - 2040 °C storage (≤6months) - 2030 °C storage (≤24months) QCT1: 20/700/50	initial capacity:	≥ 550	mAh	
[] [] []	range:	1040 - 2055 - 2050 - 2040	°C °C °C	fast charge discharge storage (≤3months) storage (≤6months)
				d1 d2



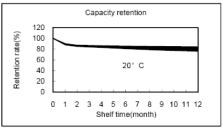
·Charge characteristics



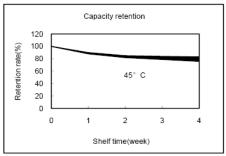
·Discharge characteristics

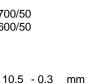


·Capacity retention characteristics



·Capacity retention characteristics





mm

mm

mm

 $\,mm\,$

g

 5.0 ± 1

44.5 - 1.5

0 +1

 12 ± 2

 \overline{a}

battery shrinked with green shrink tube

> cell model name: HXY AAA850

> > 51

(UL approved)



mechanical specifications

cell dimensions (incl. label)

diameter d1:

diameter d2:

height h1:

height h2:

weight:

ANSMANN Specifications for model:	AAA - 800mAh NiMH RTU battery Flat Top bulk package		
data sheet no. / part no.	2311-3002		
supplier no.	701344		
author / date	TG / 09.12.2015		