cell type:		NiMH	Conditions	Diagrams
cell size:		AAA		·Charge characteristics
nominal voltage: max. charge voltage:	1.2 1.5	V V	at standard charge (0.1C / 20°C)	1.8 1.7 Ambient temperature 25° C 1.0C 1.6 0.5C 0.5C 9 1.3 0.1C
capacity nominal: minimum:	800 800 760	mAh mAh mAh	discharge at 0.2C discharge at 0.2C discharge at 1C 1.0V end discharge voltage ta: 20°C	²⁵ 1.2 1.1 1 0 20 40 60 80 100 120 140 160 Capacity(%)
max. continuous discharge current:	1600	mA	ta: 045°C	•Discharge characteristics
charge standard charge: quick charge: fast charge: recommended charge	current 80 250 800	mA mA mA	time 1416hrs 4hrs 1.1hrs - delta V	1.4 1.3 1.2 (5) 1.1 100 0.9 1.00
termination control parameters:	0.81 4550	°C °C	temperature rise per minute TCO (temperature cut off)	0.8 3.0C 2.0C 2.0C
trickle charge current:	830	mA	(recommended)	Time(h)
continuous overcharge: (less than 1 year)	≤ 80	mA	no conspicuous deformation no leakage	Capacity retention characteristics Capacity retention 120
internal resistance: (impedance)	≤ 45	mΩ	at 1KHz battery fully charged	Retention rate (%) 00 00 00 00 00 00 00 00 00 00 00 00 00
life expectance:	≥ 500	cycles	acc. IEC standard	
self discharge charge retention:	≥ 75	%	after 12 months storage at 20°C	Shelf time(month)
initial capacity:	≥ 550	mAh	within 30 days after delivery discharge at 0.2C	Capacity retention
-	045 1040 2055 2050 2040 2030	ပံ ပံ ပံ ပံ ပံ	standard charge fast charge discharge storage (≤3months) storage (≤6months) storage (≤24months)	(%) 100 100 100 100 100 100 100 100
QCT1: QCT2:	20/700/5 30/600/5	-		battery shrinked with green shrink tube
mechanical specifications cell dimensions (incl. label) diameter d1: diameter d2: height h1: height h2: weight:	10.5 5.0 44.5 0	- 0.3 ±1 - 1.5 + 1	mm E g	soldering tags in Z-shape; plated battery packed in PE bag
	ANSMANN Specifications for model:			AAA - 800mAh NiMH RTU battery Flat Top with tags packed in PE bag
ANSMANN			part no.	2311-3003
	supplier author /			701344 TG / 10.03.2016

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice