

Preliminary Data Sheet

Type Number:	55945	
Sytem:	Nickel Metal Hydride/ KOH Electrolyte	
Nominal Voltage [V]:	1.2	
Nominal Capacity C [mAh]:	450	
Typical Capacity C [mAh]:	450	
	at 90 mA / 1.00 V	
Weight, approx. [g]	12.5	
Dimensions [mm]:	min.	max.
Length [l]:	23.9	24.1
Width Facing [w]:	33.9	34.1
Height [h]:	5.3	5.6

UL Recognition:	MH 13654 (N)
Coding:	Manufacturing 5 digit code (123 = day/4 = year/ 5 = version)

Temperature Ranges [°C]	min.	max.
Storage: less than 30 days	-40	65
Discharge:	-20	65
Charge:	0	65

Charging Method:	
Normal Charging:	45 mA for 14 – 16 h
Accelerated Charging (20°C):	135 mA for 4 h
Time controlled, voltage control recommended	
Fast Charging: (20°C)	450 mA for - h *
Trickle Charging:	4.5 mA
Overcharge (20°C):	13.5 mA continuous 45 mA up to 6 months

Charge Retention [%] at 20°C:	80
Capacity available after 1 month Storage at 20°C	

Internal Resistance [Ohm]:	0.14
at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)	

Impedance [Ohm]:	0.02
at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)	

Typical Capacities [mAh]:	
at 450 mA / 0.9 V	410
at 1.35 A / 0.9 V	350
at 2.25 A / 0.8 V	300

Max. Discharge Current (cont.) [mA]:	2500
Life Expectancy (typical):	
IEC Cycle:	1000 Cycles
Trickle Charge:	up to 5 years (20°C)
Trickle Charge:	up to 2.5 years (45°C)

* (-dv=5-10 mV/ cell; dT/ dt=0.7°C/min)

Capacities based on normal charging

