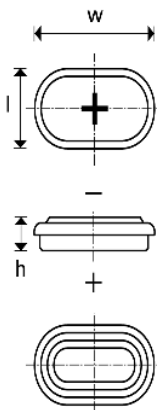


Data Sheet ^{1.)}

Type Number:	55750	
Sytem:	Nickel Metal Hydride / KOH Electrolyte	
Nominal Voltage [V]:	1.2	
Nominal Capacity C [mAh]:	500	
Typical Capacity C [mAh]:	510	
	at 100 mA / 1.00 V	
Weight, approx. [g]	14.0	
Dimensions [mm]:	min.	max.
Length [l]:	24.0	24.2
Width Facing [w]:	33.9	34.1
Height [h]:	6.3	6.5
UL Recognition:	MH13654	
Coding:	Manufacturing 5 digit code (123 = day / 4 = year / 5 = version)	
Temperature Ranges [°C]	min.	max.
Storage: less than 30 days	-40	85
Discharge:	-20	85
Charge:	0	85
Charging Method:		
Normal Charging:	50 mA for 14 - 16 h	
Accelerated Charging (20°C):	150 mA for 4 h	
	Time controlled, voltage control recommended	
Fast Charging (0 - 55°C):	500 mA for h *	
Trickle Charging:	5 - 15 mA	
Overcharge (20°C):	15 mA continuous 50 mA up to 1 year	
Charge Retention [%] at 20°C:	80	
	Capacity available after 1 month Storage at 20°C	
Internal Resistance [Ohm]:	0.1	
	at charged cells, 20°C, DC: 0.2 CA / 2 CA, (IEC 61951-2)	
Impedance [Ohm]:	0.020	
	Typical value at charged cells, 20°C, AC: 1 kHz, (IEC 61951-2)	
Typical Capacities [mAh]:		
at 500 mA / 0.9 V	400	
at 1500 mA / 0.9 V	200	
Max. Discharge Current (cont.) [mA]:	1500	
Life Expectancy (typical):		
IEC Cycle:	1000 Cycles (IEC 61951-2)	
Trickle Charge:	up to 5 years (20°C)	
Trickle Charge:	up to 3 years (45°C)	



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

Capacities based on normal charging

^{1.)} Prior to use read Rechargeable NiMH Button Cell handbook @ www.varta-microbattery.com