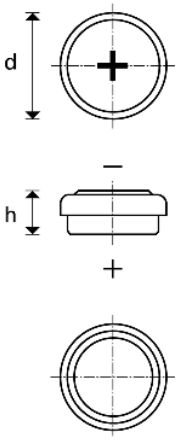
V 40 H

Rechargeable NiMH Button

Data Sheet [1.)]

Type Number:	55604	
System:	Nickel Metal Hydride/ KOH Electrolyte	
Nominal Voltage [V]:	1.2	
Nominal Capacity C [mAh]:	40	
Typical Capacity C [mAh]:	43	
at 8 mA / 1.00 V		
Weight, approx. [g]	1.7	
Dimensions [mm]:	**min.**	**max.**
Diameter [d]:	11.3	11.5
Height [h]:	5.05	5.35



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:	4 mA for 14 – 16 h	
Accelerated Charging (20°C):	8 mA for 7-8 h	
Fast Charging:	20 mA for 3 h *	
Time controlled, voltage control recommended		
Trickle Charging:	1.2 mA	
Overcharge (20°C):	4 mA continuous	
	8 mA up to 1 year	
Charge Retention [%] at 20°C:	90	
Capacity available after 1 month Storage at 20°C		
Internal Resistance [Ohm]:	3	
at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)		
Impedance [Ohm]:	0.42	
at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)		
Typical Capacities [mAh]:		
at 40 mA / 0.90 V	23	
Max. Discharge Current (cont.) [mA]:	80	
Life Expectancy (typical):		
IEC Cycle:	1000 Cycles	
Trickle Charge:	up to 6 years (20°C)	
Trickle Charge:	up to 3 years (45°C)	

* for fully discharged cells, 20 °C

Capacities based on normal charging

[1.)] Prior to use read Rechargeable NiMH Button Cell handbook @ www.varta-microbattery.com

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