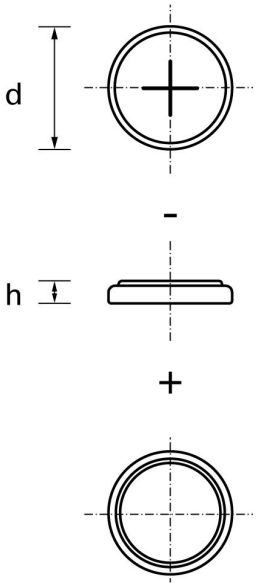
V 18 HRT

Rechargeable NiMH Button

Data Sheet [1.)]



Type Number:	55802	
Nominal Voltage [V]:	1.2	
Nominal Capacity C [mAh]:	18	
Typical Capacity C [mAh]:	19	
at 3,6 mA / 1.00 V		
Weight, approx. [g]	0.9	
Dimensions [mm]:	**min.**	**max.**
Diameter [d]:	11.4	11.5
Height [h]:	2.0	2.3*

UL Recognition:	MH 13654	
Coding:	Manufacturing 5 digit code	
	(123 = day/4 = year/ 5 = version)	
Temperature Ranges [°C]	**min.**	**max.**
Storage: less than 30 days	-40	80
less than 90 days	-40	65
Discharge:	-20	80
Charge:	0	80
Accelerated charge:	10	55
Charging Method:		
Normal Charging:	1.8 mA for 14 – 16 h	
Accelerated Charging:	9 mA for 2.5 h	
Time controlled, voltage control recommended		
Trickle Charging:	0.6 mA	
Overcharge (20°C):	0.6 mA continuous	
	1.8 mA up to 1 year	
Charge Retention [%] at 20°C:	80	
Capacity available after 1 month Storage at 20°C		
Internal Resistance [Ohm]:	5	
at charged cells, 20°C, DC: 3.6mA/36mA, (IEC 61951-2)		
Impedance [Ohm]:	0.6	
at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)		
Typical Capacities [mAh]:		
at 18 mA/0.90 V	15	
at 54 mA/0.90 V	9	
Max. Discharge Current (cont.) [mA]:	100	
Life Expectancy (typical):		
IEC Cycle:	1000 Cycles	
Trickle Charge:	up to 5 years (20°C)	
Trickle Charge:	up to 3 years (45°C)	

Capacities based on normal charging

* Height might increase up to 0.2mm due to swelling over lifetime

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

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