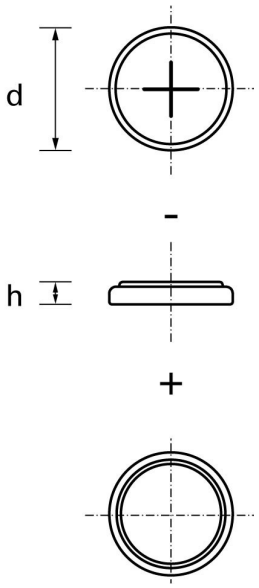
MBU 20

Rechargeable Ni-MH Button

Preliminary Data Sheet



Type Number:	55803	
Sytem:	Nickel Metal Hydride/ KOH Electrolyte	
Nominal Voltage [V]:	1.2	
Nominal Capacity C [mAh]:	18	
Typical Capacity C [mAh]:	19	
at 3,6 mA / 1.00 V		
Typical Capacity C [mAh]:	22	
at 200 µA / 1.00 V		
Weight, approx. [g]	0.9	
Dimensions [mm]:	**min.**	**max.**
Diameter [d]:	11.4	11.5
Height [h]:	2.0	2.4

UL Recognition:	MH 13654	
Coding:	Manufacturing 5 digit code (123 = day/4 = year/ 5 = version)	
Temperature Ranges [°C]	**min.**	**max.**
Storage: less than 90 days	-40	65
Discharge:	-20	65
Charge:	0	65
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]:	40
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

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