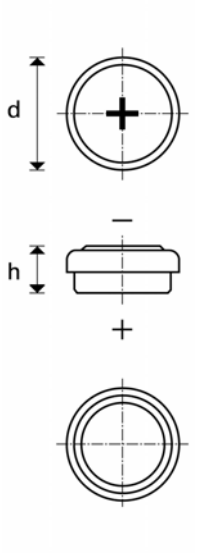
CP 300 H

Rechargeable Ni-MH Button

Data Sheet



Type Number:	55630	
System:	Nickel Metal Hydride/ KOH Electrolyte	
Nominal Voltage [V]:	1.2	
Nominal Capacity C [mAh]:	280	
Typical Capacity C [mAh]:	300	
at 56 mA / 1.00 V		
Weight, approx. [g]	11	
Dimensions [mm]:	**min.**	**max.**
Diameter [d]:	24.95	25.1
Height [h]:	6.95	7.55

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:	28 mA for 14 – 16 h	
Accelerated Charging (20°C):	56 mA for 7-8 h	
Fast Charging:	140 mA for 3 h *	
Time controlled, voltage control recommended		
Trickle Charging:	8.4 mA	
Overcharge (20°C):	28 mA continuous	
	56 mA up to 1 year	
Charge Retention [%] at 20°C:	90	
Capacity available after 1 month Storage at 20°C		
Internal Resistance [Ohm]:	0.47	
at charged cells, 20°C, DC: 0.2 CA/2 CA, (IEC 61951-2)		
Impedance [Ohm]:	0.08	
at charged cells, 20°C, AC: 1kHz, (IEC 61951-2)		
Typical Capacities [mAh]:		
At 280 mA / 0.90 V	170	
Max. Discharge Current (cont.) [mA]:	560	
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

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Subject to change without prior notice !

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