

Secondary Battery

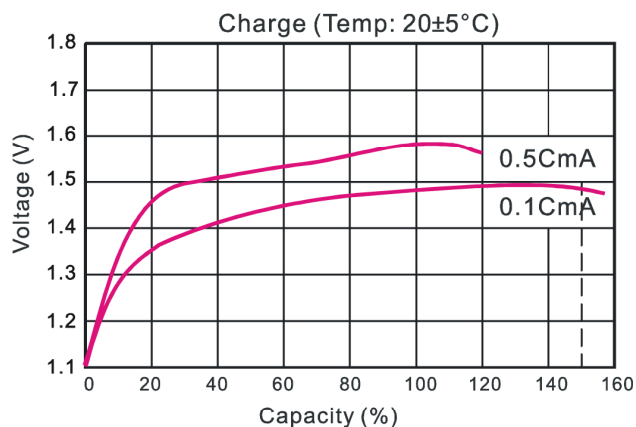
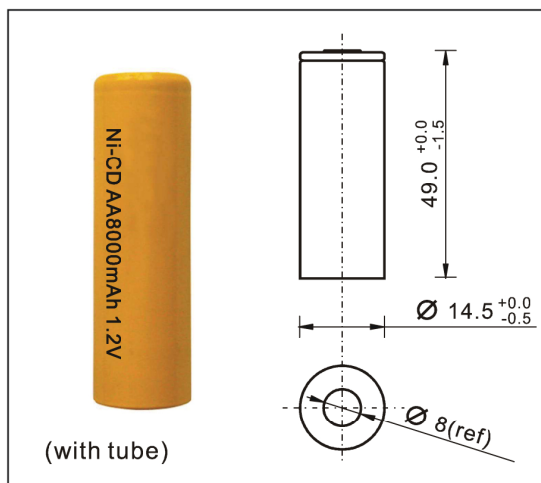
Ni-CD Battery



Document Title: T-AA800C 1.2V

Revision: A/0

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Type:	Rechargeable Nickel Cadmium Cylindrical Cell		
Nominal Dimension:	Φ=14.5mm H=49.0mm		
Applications:	Recommended discharge current 80 to 1600mA		
Nominal Voltage:	1.2V		
Capacity: (mAh)	Rate	Minimum	Typical
	0.2C	800(300min)	840(310min)
When discharged to 1.0V at 20°C	1C	720(54min)	760(57min)
	2C	640(24min)	680(25.5min)
Charge Retention:	65% of nominal capacity after cell storage at 20°C for 28 days. When discharged at 160mA to 1.0V at 20°C		
Charge Condition:	80mA for 16hrs at 20°C		
Fast Charge:	160mA to 800mA (0.2C to 1C) charge termination control recommended control parameters: -ΔV : 5mV DT/dt : 0.8°C/min(0.2C to 1C) TCO : 45-50°C Timer : 105% nominal input (for ref.only)		
Service Life:	>500 Cycles (IEC standard)		
Continuous	80mA maximum current for 48 hrs.		
Overcharge:	No conspicuous deformation and/or leakage		
Approx Weight:	20.g		
Internal Resistance:	Average 21 upon fully charged Rance 15-30 at 1000Hz		
Max. Charging Voltage:	1.55V at 160mA charging.		
Ambient temperature Range:	Standard charging	0°C to 45°C	
	Fast charging	10°C to 40°C	
	Discharging	-20°C to 60°C	
	Storage	-20°C to 30°C	

