

Secondary Battery

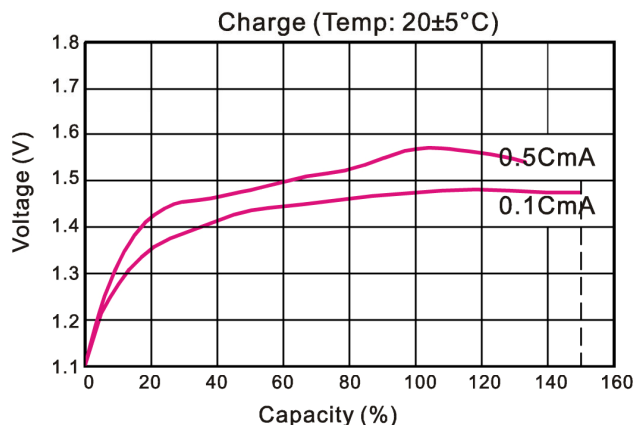
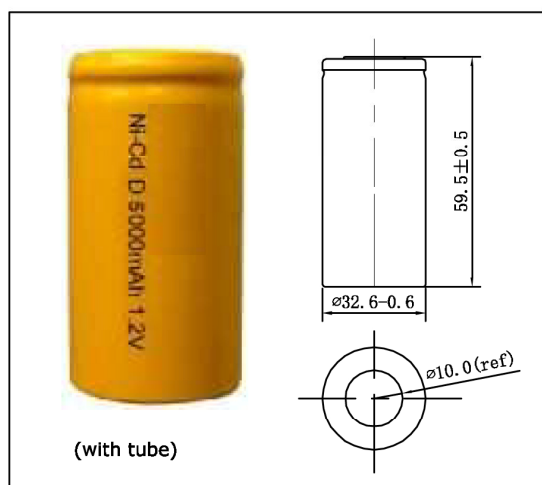
Ni-CD Battery



Document Title: T-D5000C 1.2V

Revision: A/0

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Type: Rechargeable Nickel Cadmium Cylindrical Cell

Nominal Dimension: $\Phi=32.2\text{mm}$ H=60.0mm

Applications: Recommended discharge current 500 to 1500mA

Nominal Voltage: 1.2V

Capacity: (mAh)	Rate	Minimum	Typical
	0.2C	5000(300min)	5250(315min)
When discharged to 1.0V at 20°C	1C	4500(54min)	4750(57min)
	2C	4000(24min)	4250(25.5min)

Charge Retention: 65% of nominal capacity after cell storage at 20°C for 28 days.
When discharged at 1000mA to 1.0V at 20°C

Charge Condition: 500mA for 16hrs at 20°C

Fast Charge: 1000mA (0.2C)
charge termination control recommended
control parameters:
- ΔV : 0-5mV
DT/dt : 0.8°C/min(0.2C to 0.5C)
TCO : 45-50°C
Timer : 105% nominal input
(for ref. only)

Service Life: >500 Cycles (IEC standard)

Continuous 500mA maximum current for 1 year.

Overcharge: No conspicuous deformation and/or leakage

Approx Weight: 125.0g

Internal Resistance: Average 18m Ω upon fully charged
Rance 10-25m Ω at 1000Hz

Max. Charging Voltage: 1.65V at 1000mA 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

