

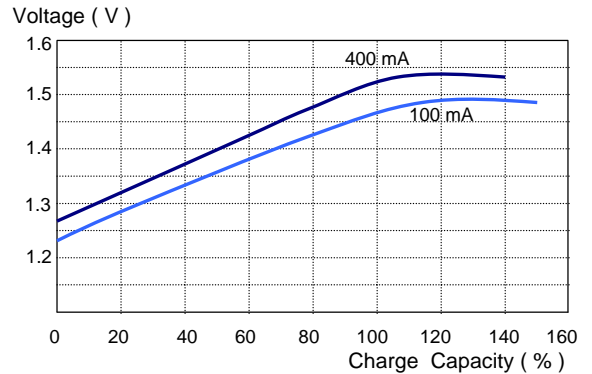
Data Sheet for T-AA1000

Specifications

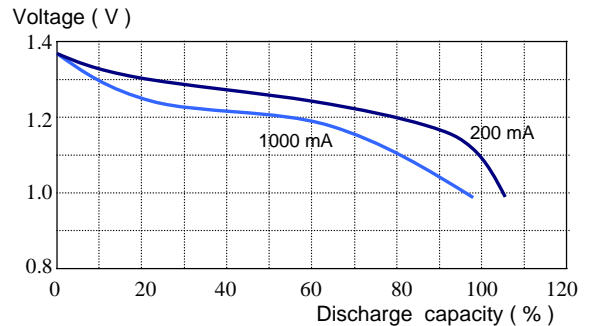
Type :	Rechargeable Nickel- Cadmium Standard Cell
Model (P/N) :	T-AA1000
Nominal Dimension : (with sleeve)	$\Phi = 14.5 \begin{smallmatrix} 0 \\ -0.5 \end{smallmatrix}$ mm H = 49.0 ± 0.5 mm
Applications :	Recommended discharge current 100 to 1000 mA
Nominal Voltage :	1.2V
Nominal Capacity :	1000 mAh when discharge at 200 mA to 1.0 V at 20°C
Standard Charge :	100 mA for 15 hrs at 20°C
Fast Charge :	400 mA (0.4C) with charge termination control Recommended control parameters - ΔV :10 mV & $\Delta T/\Delta t$:0.8~1°C/min Timer: 140 % nominal input
Service Life :	> 500 cycles
Continuous Overcharge :	1000 mA maximum permissible current No conspicuous deformation and / or leakage
Weight :	28 g
Internal Resistance :	Max 25 m Ω at 1000 Hz measured within 1 hour after standard charge
Max. Charging Voltage :	1.5 V at 1000 mA charging
Ambient Temperature Range	Standard Charge : 0°C to 45°C Fast Charge : 10°C to 45°C Discharge : -20°C to 45°C Storage : -20°C to 45°C

Characteristics

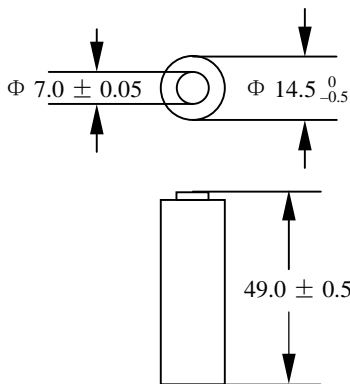
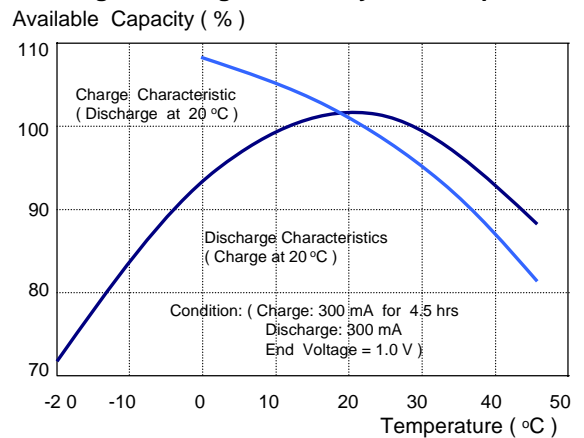
Charge Curves (20 °C)



Discharge Curves (20 °C)



Charge/Discharge Efficiency vs. Temperature



American Toppower

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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.