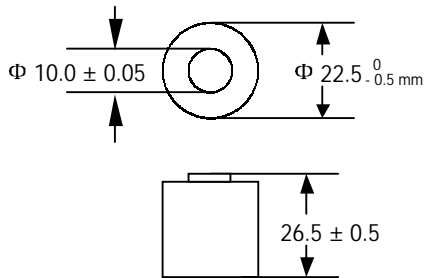


Data Sheet for T-1/2Sc700FC

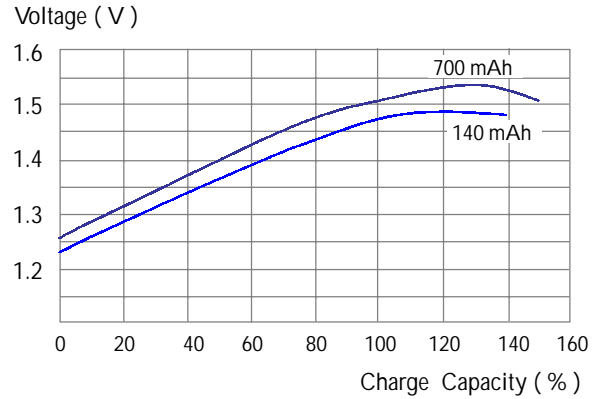
Specifications

Type :	Rechargeable Nickel Cadmium Fast Charge Cell
Model (P/N) :	T-1/2Sc700FC
Nominal Dimension : (with sleeve)	$\Phi = 22.5 \begin{smallmatrix} 0 \\ -0.5 \end{smallmatrix} \text{ mm}$ $H = 26.5 \pm 0.5 \text{ mm}$
Applications :	Recommended discharge current 140 mA to 7 A
Nominal Voltage :	1.2V
Nominal Capacity :	700 mAh when discharge at 140 mA to 1.0 V at 20°C
Standard Charge :	140 mA for 7 hrs at 20°C
Fast Charge :	700 mA (1 C ) with charge termination control Recommended control parameters - $\Delta V$ :10 mV & $\Delta T / \Delta t$ :0.8~1°C/min Timer: 150 % nominal input
Service Life :	> 500 cycles
Continuous Overcharge :	70 mA maximum permissible current No conspicuous deformation and / or leakage
Weight :	28 g
Internal Resistance :	Max 30 m $\Omega$ at 1000 Hz measured within 1 hour after standard charge
Max. Charging Voltage :	1.5 V at 140 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

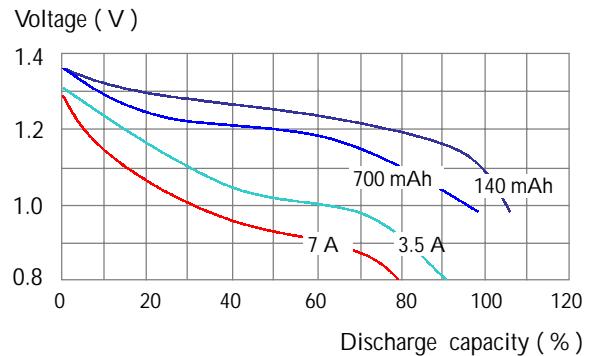


Characteristics

Charge Curves ( 20 °C )



Discharge Curves ( 20 °C )



Charge/Discharge Efficiency vs. Temperature

Available Capacity (%)

