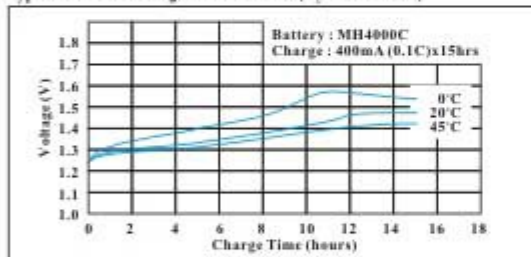


# NIMH RECHARGEABLE CYLINDRICAL BATTERY

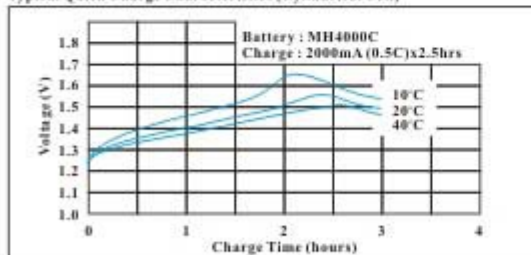
## SPECIFICATIONS

Model	:	MH4000C
Description	:	NiMH rechargeable battery, 'C' size, consumer cap
Nominal Capacity	:	4000 mAh at 800mA rate discharge
Nominal Voltage	:	1.2 Volt
Cut-Off Voltage	:	1.0 Volt
End of Charge Voltage	:	$\leq$ 1.6 Volt
End of Discharge Voltage	:	$\geq$ 0.9 Volt
Weight	:	74 gram
Life Duration	:	$\geq$ 500 cycles (Comply to IEC 285/1993 4.4.1)
Charge	:	Trickle - 120-200 mA Standard - 400 mA x 14 hours Quick - 2000 mA x 2.5 hours (with cut-off control)
Recharge	:	Every 3-6 months recommended
Temperature Environment	:	Standard charge - 0 degC to 45 degC Quick charge - 10 degC to 40 degC Discharge - -20 degC to 60 degC Storage - -20 degC to 40 degC
Trickle Charge	:	120mA for 28 days, no leakage, no explosion
Charge Retention	:	$>$ 60% for 28 days storage after standard charge
Leakage	:	No leakage, No explosion under standard operating condition
Vibration	:	Battery remain normal after vibration at Amp: 4mm; Freq.: 1000/min for 60 min.
Shock	:	Battery remain normal after dropping from 450mm to an Oak board for 3 times

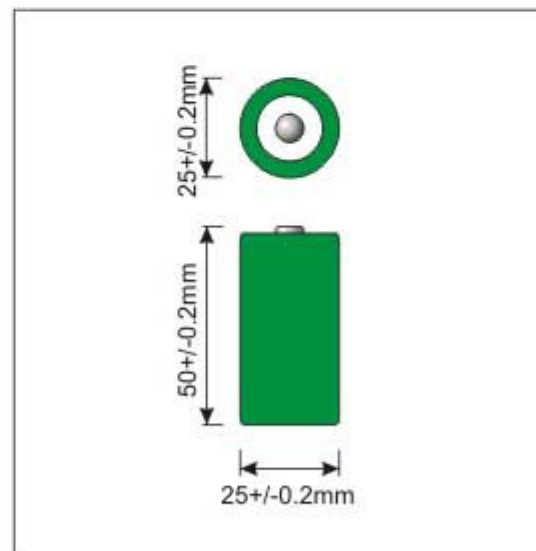
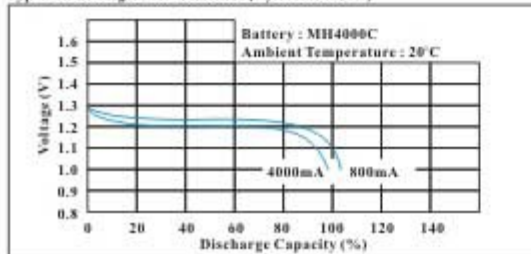
Typical Standard Charge Characteristics (Cylindrical Cell)



Typical Quick Charge Characteristics (Cylindrical Cell)



Typical Discharge Characteristics (Cylindrical Cell)



Typical Storage Characteristics (Cylindrical Cell)

