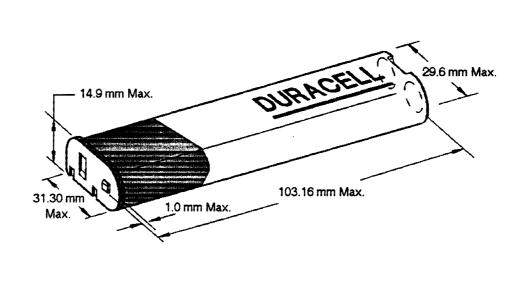
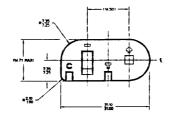
## Nickel Metal Hydride Battery

SPECIFICATIONS					
Nominal Voltage:	4.8 V				
Rated Capacity:	1200 mAh at C/5 to 4.0V				
Average Weight:	115g				
Average Volume:	42cm³				





All dimensions in mm.

## Nickel Metal Hydride Battery

Nominal Voltage	4.8V					
Rated Capacity	1200mAh (charging at C/10 for 15 hours followed by discharging at C/5 to 4.0V, at 20°C). Minimum TBAmAh.					
Rated Energy Capacity	6.0WHrs (discharging at C/5 to 4.0V, followed by charging at C/10 for 15 hours, at 20°C).					
Operating Temperatures and Humidities	Discharge: -20°C to +50°C at 95%RH. Charge: 0°C to +45°C at 95%RH.					
Maximum Continuous Current	Discharge: 1C across the entire operating temperature range.  Charge: 1C across the entire operating temperature range.					
Recommended Charge Regime	Main Charge: 1C to dT/dt @ 1°C / minute.  Top Up Charge: C/10 for 30 minutes.  Maintenance Charge: C/300, no time limit.					
No Load Voltage	<ul><li>5.6V, measured one hour after charging.</li><li>5.2V, measured two weeks after charging.</li></ul>					
On Load Voltage	4.8V on 2C after 10 seconds.					
DC Impedance <sup>+</sup>	0.673 ohms (max.), measured across the positive and negative terminals of a fully charged battery.					
AC Impedance	0.242 ohms (max), measured across the positive and negative terminals of a fully charged battery at 1000Hz.					
Thermistor Continuity	10000 ohms +/-TBA ohms, at 25°C, across the negative and thermistor (T) contacts.					
Typical Discharge	Discharge Temp. +	-50°C	+20°C	0°C	-20°C	
Capacity verses	Min. % Rated Capacity	90	97	93	86	
Temperature*	Typical % Rated Capacity	97	102	100	94	
Typical Discharge	Discharge Rate C	C/10	C/5	1C	2C	
Capacity verses	Min. % Rated Capacity	97	93	72	50	
Discharge Rate at 20°C	Typical % Rated Capacity	102	100	85	65	
Typical Self Discharge#	Storage temp.	+45°	C	+20°C	0°C	
	% Rated Capacity (14 days)	40		82	93	
	% Rated Capacity (28 days)	17		68	88	
Safety and Abuse	The batteries meet the requirements of UL2054					

Charge at C/5 for 7.5 hours, at 20°C, followed by discharge at 1.5C for 10 minutes - the battery voltage and current shall be determined. Continue discharging at C/5 for 10 minutes - the battery voltage and current shall again be determined. The DC impedance is defined as the difference between the two voltages divide by the difference in currents.

## **DURACELL** Batteries.

Issue 6I

<sup>\*</sup> Charge at C/5 for 7.5 hours, at 20°C, rest for 3 hours at the stated temperature, discharge at C/5 to 4.0V.

<sup>\*</sup> Charge at C/5 for 7.5 hours, at 20°C, rest for 3 hours, discharge at C/5 to 4.0V, following 14 and 28 days storage on open circuit.