

## Nickel Metal Hydride Batteries

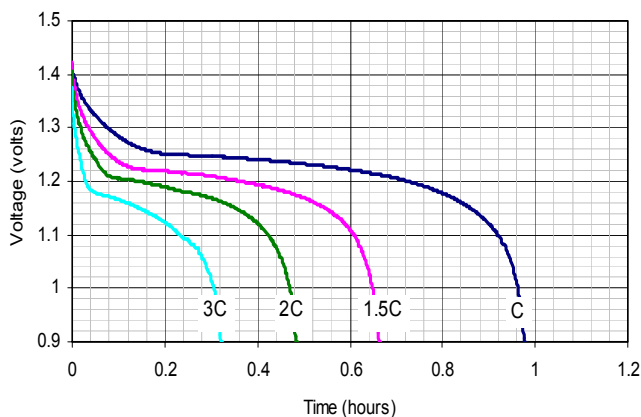
### OVERVIEW

- Higher energy density provides longer run time than NiCds
- Environmentally friendly
- No memory effect
- Good storage capabilities
- Trickle and fast charge compatible

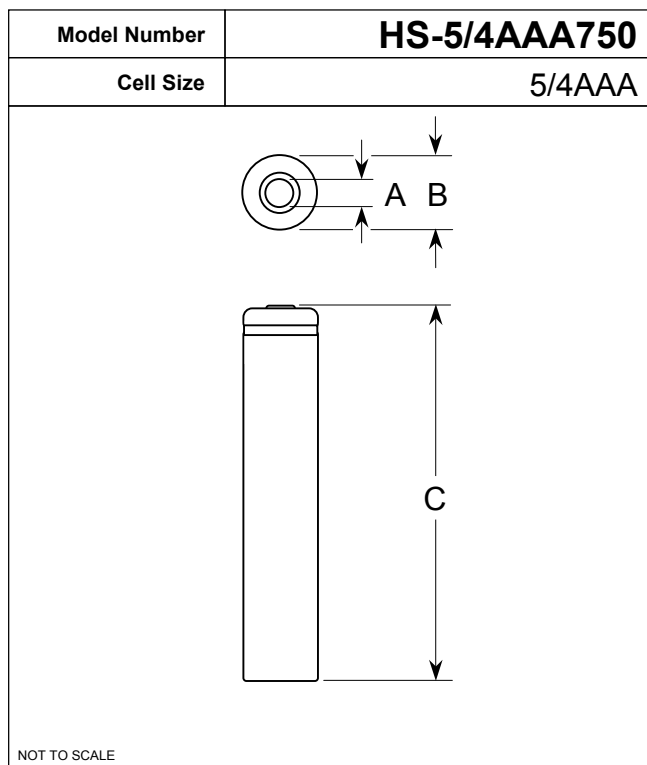
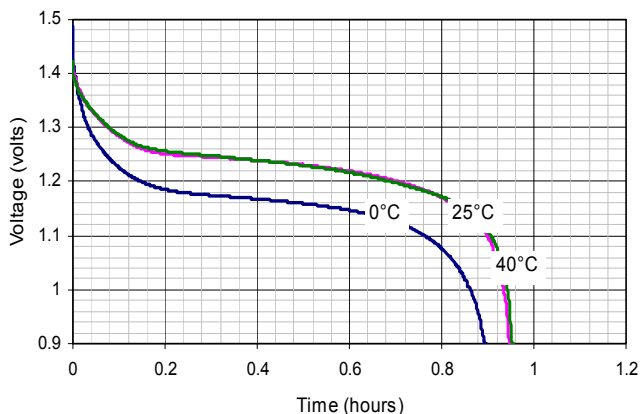
### APPLICATIONS

- Data collection scanners
- Thermal printers
- Medical devices
- Photo equipment
- Toys/Radio controlled models
- Radios/CD players & MP3 players

C-3C Discharge Profiles @ 25°C



C Discharge Profile @ 0°C, 25°C, 40°C



### PHYSICAL CHARACTERISTICS (includes shrink sleeve)

| Dimension | Measurement (mm) | Tolerance (mm) |
|-----------|------------------|----------------|
| A         | 5.0              | +0/-0.1        |
| B         | 10.5             | +0/-0.5        |
| C         | 50.0             | +0/-0.5        |
| Weight    |                  | 14.5 g         |

### ELECTRICAL CHARACTERISTICS

|                               |               |            |
|-------------------------------|---------------|------------|
| Nominal Voltage               |               | 1.2 V      |
| Capacity                      | Typical       | 800 mAh    |
|                               | Minimum @ C/5 | 750 mAh    |
| Internal Resistance @ 1000 Hz |               | 19.0 mΩ    |
| Cycle Life (minimum)          |               | 500 cycles |

### CHARGE SPECIFICATIONS

|                                       |                   |
|---------------------------------------|-------------------|
| Standard Charge                       | C/10 for 16 hours |
| Fast Charge (with proper termination) | 1C                |

### DISCHARGE SPECIFICATIONS

|                                |            |       |
|--------------------------------|------------|-------|
| Current                        | Continuous | 5C    |
|                                | Spikes     | 10C   |
| Minimum Voltage/Voltage Cutoff |            | 1.0 V |

### TEMPERATURE

|             |               |
|-------------|---------------|
| Charging    | 10°C to 40°C  |
| Discharging | 10°C to 40°C  |
| Storage     | -20°C to 30°C |