**THERMAL BATTERY**

**TECHNICAL DATA SHEET FOR BATTERY NO. SAP-12116**

**DATE: 8–18–06**

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**TYPICAL PERFORMANCE**

(RISE TIME COLD .05 SEC TO 15V, HOT .047 SEC TO 15V)

- 20V MAX.
- 15V MIN.

**ENVIRONMENTAL REQUIREMENTS (OPERATING)**

- Temperature: -25°F TO +120°F
- Acceleration: NONE
- Shock: 55,000g, 2 ms MAX.
- Vibration: NONE
- Spin: 60 (RPS)

**ELECTRICAL REQUIREMENTS**

- Voltage: 15V TO 20V
- Load: 150±5 OHM

- Rise Time Required: .030 – .150 SECONDS TO 15.0 V
- Typical: .050 SEC. TO 15 VOLTS
- Life: 11 SEC. MIN. TO 15 VOLTS

- Activation: 25,000g (2 ms MAX) INERTIAL IGNITOR
- Indicator: 200°F PAINT DOT
- Case and Header Material: A-285 STEEL
- Terminal Material: 52 IRON NICKEL ALLOY, GOLD PLATED

**Nominal Weight**: 2B gms.
**Nominal Volume**: .62 in³