**THERMAL BATTERY**

**TECHNICAL DATA SHEET FOR BATTERY NO. EAP-12283A**

**DATE** 11–17–99

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**ENVIRONMENTAL REQUIREMENTS (OPERATING)**

- Temperature: -4°F TO +131°F
- Acceleration: N/A
- Shock: MIL-STD-202, METHOD 213
  - (AXIAL AXIS: 100 g., 11 Msec. HALF SINE)
- Vibration: MIL-STD-202, METHOD 204
  - FREQ. 10 TO 500 Hz
- Spin: N/A
- Other: N/A

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**ELECTRICAL REQUIREMENTS**

- **Voltage:** 18.0 V TO 38.0 V
- **Load:** 0 – 3600 SEC. 0.20 A BASELOAD
  - (600 W, 1 SEC. DURATION, 10% D.C.)
  - 60 SEC.: 10 PULSES 2700 SEC.: 10 PULSES
  - 900 SEC., 10 PULSES 3059 SEC., 10 PULSES (1 MINUTE TO TERMINAL)
  - 1800 SEC., 10 PULSES
- **Rise Time:** 30 SEC.
- **Life:** 3600 SEC.
- **Activation:** SQUIB BRIDGEWIRE: 1.50±.2
  - NO-FIRE: 0.10 A/5 MIN.  ALL-FIRE: 0.55 A/50 MSEC.
- **Case and Header Material:** TYPE 304 STAINLESS STEEL
- **Terminal Material:** 52 Fe/Ni ALLOY GOLD PLATED

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**Nominal Weight** 3.42 lbs

**Nominal Volume** 50.57 in³