EAGLE PIKER TECHNOLOGIES, LLC

THERMAL BATTERY
TECHNICAL DATA SHEET FOR BATTERY NO. EAP-12256A DATE 10-18-06

TYPICAL PERFORMANCE (RISE TIME COLD 200 TO 22.0°C, HOT 150 TO 22.0°C)

35 Watts MAX

22 Watts MIN

Time = SECONDS

ENVIRONMENTAL REQUIREMENTS (OPERATING)

Temperature: -65°F TO 160°F

221°F FOR 10 MINUTES

Acceleration: N/A

Shock: (NON-OPERATING) 2000g, HALF-SINE FOR 4.4 CAR-AXIAL, 1.0 CAR-TRANSVERSE PER MIL-STD-810, METHOD

516.2, PROCEDURE IV.

Vibration: (NON-OPERATING) MIL-STD-810C, METHOD

514.2 PROCEDURE 11A, FIGURE 514.2-4, p = 100, 3g-1000, w= 0.4 deg., 40 MINUTES PER AXIS

Spin: N/A

Other: TEMPERATURE SHOCK, MIL-STD-810D, METHOD

503.2, PROCEDURE IV, -54°C

ELECTRICAL REQUIREMENTS

Voltage: 22.0 TO 32.0 VOLTS

Load: 375 mA CONTINUOUS

Rise Time: 500 SECONDS

Life: 200 SECONDS

Activation: Squib: DP-210-2

Indicator: Temperature Sticker

Case and Header Material: TYPE 304 STAINLESS STEEL

Terminal Material: 52 Cu/Ag ALLOY HOT SOLDER DIPPED USING SOLDER

OUTLINE CONFIGURATION

Nominal Weight 0.53 lb
Nominal Volume 5.30 in.3