EAGLEPICHER TECHNOLOGIES LLC
POWER & SPACE DIVISION
P.O. BOX 47 JOPLIN, MO 64801
PHONE: (417) 623-8000

THERMAL BATTERY
TECHNICAL DATA SHEET
FOR BATTERY NO. EAP-12306
DATED: 08-16-2006

TYPICAL PERFORMANCE:
RISE TIME: (COLD: .132 SEC. TO 28.0 Vdc; HOT: .096 SEC. TO 28.0 Vdc)

TEMPERATURE: -45°F to +145°F
ACCELERATION: 10 Hz (600 RPM) For 0-20 Sec Coast tp Stop
VIBRATION: Axial 2.45 Grms for 245 Sec
Radial 2.83 Grms for 245 Sec
SHOCK: Not applicable
SPIN: Not applicable
OTHERS: Not applicable

OUTLINE CONFIGURATION:
NOMINAL WEIGHT: 0.62 Lbs

ELECTRICAL REQUIREMENTS
VOLTAGE: 50Vdc Maximum; 28 Vdc Minimum
LOAD: Base Load of 0.20 Amps
7 Amp Pulse @ 1 Sec For 20 mS; 15.2 A Pulse @ 1.07, 200, 220 & 244.99 Secs For 10 mS;
6 Amp Pulse @ 1.43-1.480 Sec; 848 Pulses 237 mS Between Pulses With 50 mS Durations
Between 1.480 & 244.52 Secs; 6 Amp Pulse @ 244.99-245 Sec.
RISE TIME: 1.000 Seconds
LIFE: 245 Seconds
ACTIVATION: EP-250-1
ACTIVATION INDICATOR: Temperature Decal
CASE & HEADER MATERIAL: Type 304 Stainless Steel
TERMINAL MATERIAL: 52 Fe/Ni Alloy Hot Soldered

ENVIRONMENTAL REQUIREMENTS (OPERATING ONLY)

NOMINAL VOLUME: 5.20 Cubic Inches

OTHERS: Not applicable

Diagram:

4X .315±.015
2.945±.020
21.500±.000
41.200
.175