THERMAL BATTERY
TECHNICAL DATA SHEET FOR BATTERY NO. EAP-12181

Typical Performance

- Rise Time (Cold: -0.5 sec, Hot: -0.35 sec)
- Voltage: 38.0 VDC Max.

Environmental Requirements (Operating)

- Temperature: -65°F THRU +165°F
- Acceleration: N/A
- Shock: N/A
- Vibration: N/A
- Spin: N/A
- Other: N/A

Electrical Requirements

- Voltage: 38 VOLTS MAX 12 VOLTS MIN EXCEPT 173-183 WS 22.5 MIN; 958-968 MS 21.0 MIN; 1108-1118 WS 20.0 MIN; 1208-1218 17 MIN; 1219-5000 WS 12.0 MIN.
- Load: 0-172 WS 82 OHMS, 82 OHMS FROM 172 WS TO END OF LIFE. AN ADDITIONAL 5 LOAD IS IN PARALLEL, 173-183 WS 4.2 Q, 958-968 MS 4.2 Q.
- Life: 110 WS TO 16 VOLTS
- Rise Time: 5.0 SECONDS MINIMUM TO 12 VOLTS

Outline Configuration

- Maximum Diameter: 0.240 ± 0.020
- Maximum Diameter: 0.167 ± 0.020
- Min Diameter: 0.240 ± 0.020
- Min Diameter: 0.167 ± 0.020
- 2.08 Max
- 1.99 Before Firing
- 2.10 Max
- After Firing

Material:
- Case and Header Material: TYPE 304 STAINLESS STEEL
- Terminal Material: 52 Fe/Ni ALLOY HOT SOLDER DIPPED

Maximum Weight: 125g
Nominal Volume: 2.50 in.³