EAGLEPICHER TECHNOLOGIES

Medium Rate Hybrid Pouch Cell

Reliable, lightweight cell with an impressive rate capability over a wide temperature range

Li/CF_x-MnO_2 Hybrid Pouch Cell

Features and Benefits

- Higher capacity than Li-SO_2 cells
- Higher volumetric capacity and lower weight than Li/MnO_2 cells
- Wide operating temperature range
- Medium rate capability
- Shutdown separator for safety
- Long-shelf life
- Neutral case polarity
- Wide range of mission applications
- Easily configured for any custom battery assembly

Applications

- Conformal wearable power
- Soldier power: command, control, communications
- Unattended ground sensors
- Survival and emergency equipment
- GPS/Mobile assist devices
- Alarming devices
- Automatic meter reading
- Unmanned Systems

Specifications

Part Number	LCF-134
Weight Not to Exceed	25.0g (0.9 oz)
Maximum Dimensions	Width: 41 mm (1.6 in.) Thickness: 7 mm (0.3 in.) Height: 58 mm (2.3 in.)
Nominal Voltage	2.6 V
Voltage Range	1.5 to 3.3 V
Nominal Capacity	4400 mAh*
Maximum Continuous Current	2000 mA
Maximum Pulse Current	4400 mA
Operating Temperature	-40 to +60°C (-104 to +140°F)**
Storage Temperature	-40 to +55°C (-104 to +131°F)
External Volume	17.3 cc
Specific Energy	458 Wh/kg
Energy Density	660 Wh/L
Exterior	Aluminum/polymer laminates
Terminals/Connector	Based on customer preference
Transportation	Class 9-U.S. and International***

*At 25°C, C/6 load to 2.0V cut-off

** Depends on combination of rate, temperature, and other application factors. Contact EaglePicher for more information. .

*** Contact EaglePicher for more complete transportation regulations.

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