EAGLEPICHER
TECHNOLOGIES

3.3 Volt Primary D Cell

Highly reliable, lightweight cell that safely operates at extreme temperature ranges

Non-Rechargeable Lithium Carbon Monofluoride (Li/CFx) Cell

Features and Benefits

- Extremely-high specific energy
- Fully welded, hermetically sealed construction
- 360 ±60 psi mechanical vent
- Wide operating temperature range
- Optimized electrolyte
- Spiral-wound electrode design
- Positive can polarity
- In-line current fuse short circuit protection
- Leak-free design
- Safe operation
- Long-shelf life
- Low-voltage delay
- Wide range of mission applications
- Reliable performance at extreme temperatures
- Custom packaging

Specifications

Part Number	LCF-514
Weight	72 g (2.5 oz)
Height	59 mm (2.3 in.)
Diameter	33 mm (1.3 in.)
Open Circuit Voltage	3.3 V at 21°C (70°F)
Running Voltage	2.6 V
Capacity	>19 Ah[1]
Specific Energy	710 Wh/kg[1]
Energy Density	1000 Wh/L[1]
Current	50 mA to 2 A[2]
Operating Temperature	-35 to 90°C (-31 to 194°F)[2]
Storage Temperature	-40 to 100°C (-40 to 212°F)[2]
Exterior Construction	Aluminum
Terminals/Connectors	Nickel tab

[1] Typical values for 250 mA continuous discharge to 2 V at room temperature
[2] Typical operating ranges

Applications

- Single-use aerospace applications requiring long-run time and reduced weight
- Communication equipment
- Surveillance equipment
- Survival and emergency equipment
- Telemetry

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