LTC-7PMP

KEEPER II NON-RECHARGEABLE - LITHIUM / THIONYL CHLORIDE

Product Name   Prismatic Battery

APPLICATIONS

Airports; Emergency; Industrial; Inventory Management; Measuring/Monitoring; Medical; Military; Navigation; Specialized Products

PERFORMANCE SPECIFICATIONS

Voltage (Volts)	3.5
Capacity (MilliAmp-Hours)	1500
Temperature:Low (Farenheit)	-67
Temperature:High (Farenheit)	185

DIMENSIONS AND WEIGHT

Width/Diameter (Inches)	1.2
Length/Depth (Inches)	1.5
Weight (grams)	20.0
Height/Thickness (Inches)	0.33

CELL SIZE

Cell Size/Type   Prismatic Cells

PRODUCT NOTES

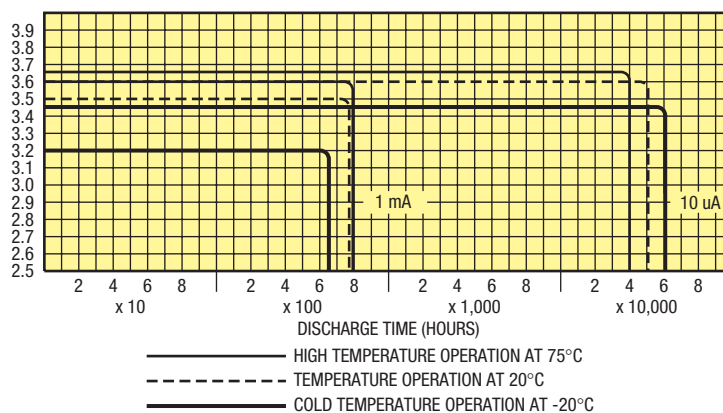UL recognized, no charging circuits required, non-pressurized system

The LTC-7 module series was developed for those applications that require a high quality, ruggedly constructed, low profile battery configuration.
Two (2) cell module designs are available, as either series connected (LTC-7PMS, 7.0 volts, 750 mAh) or parallel connected (LTC-7PMP, 3.5 volts, 1500 mAh) batteries. Additional features such as reverse charge protection can also be built in for added safety in sensitive applications.

LTC-7P PRODUCT FEATURES

· Compliant with lead-free RoHS and WEEE EC directives.

· Low profile, prismatic design.

· Stainless steel construction provides corrosion resistance, hermetic seal and structural integrity.

· Years of low rate continuous use.

· Stand-by use with 80% capacity retention after 15 years at room temperature.

· Highly efficient utilization of valuable board space.

· Wave solderable (limit solder bath exposure to a maximum of 5 seconds).

· High energy density compared to other chemistries.

· No charging circuits required.

· Higher cell voltage allows for fewer cells and high reliability.

· Flat discharge characteristics provide optimum voltage regulation.

· Non-pressurized system allow for high temperature usage.

· Ship unrestricted. IATA No. UN3090.

· Underwriters Laboratories recognized component.

**TYPICAL LTC-7P DISCHARGE CHARACTERISTICS AT VARIED TEMPERATURES**

DISCHARGE TIME (HOURS)

HIGH TEMPERATURE OPERATION AT 75°C
TEMPERATURE OPERATION AT 20°C
COLD TEMPERATURE OPERATION AT -20°C

LITHIUM-THIONYL CHLORIDE BATTERIES

Part Number	Voltage	Capacity (mAh)	Length (in.)	Width (in.)	Thickness (in.)	Weight (g)
LTC-7P	3.5	750	1.20	0.70	0.35	9.0
LTC-7PMP	3.5	1500	1.50	1.20	0.35	20.0
LTC-7PMS	7.0	750	1.50	1.20	0.35	19.0

* Battery contains diode and resistor protection (IN5817 diode, 1.6k resistor). Working voltage rate dependent.
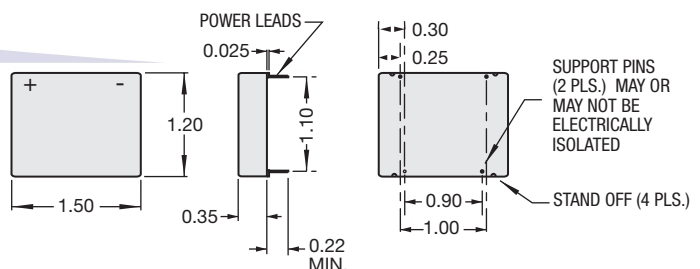
SPECIFICATIONS LTC-7P

Nominal Open Circuit Voltage, 25°C .... 3.67 volts
Nominal Working Voltage, 25°C .... 3.5 volts
Nominal Capacity (350 hr. rate), 25°C .... 750 mAH
Volume.. .268 cu. in.
Weight .... 9.0 GMS
Operating Temperature .... -40°C to +95°C
Case Material: Ryton™ module
Terminal and Support Pins are .030" dia. (positive pin solder tinned)
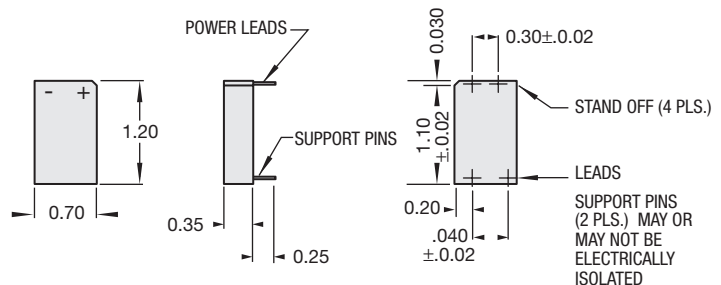
SPECIFICATIONS LTC-7PMP

Nominal Open Circuit Voltage, 25°C .... 3.67 volts
Nominal Working Voltage, 25°C .... 3.5 volts
Nominal Capacity (350 hr. rate), 25°C .... 1500 mAH
Volume.. .594 cu. in.
Weight .... 20.0 GMS
Operating Temperature .... -40°C to +95°C
Case Material: Ryton™ module
Terminal and Support Pins are .030" dia. (solder tinned)

SPECIFICATIONS LTC-7PMS

Nominal Open Circuit Voltage, 25°C .... 7.3 volts
Nominal Working Voltage, 25°C .... 7.0 volts
Nominal Capacity (350 hr. rate), 25°C .... 750 mAH
Volume.. .594 cu. in.
Weight .... 19.0 GMS
Operating Temperature .... -40°C to +95°C
Case Material: Ryton™ module
Terminal and Support Pins are .030" dia. (solder tinned)
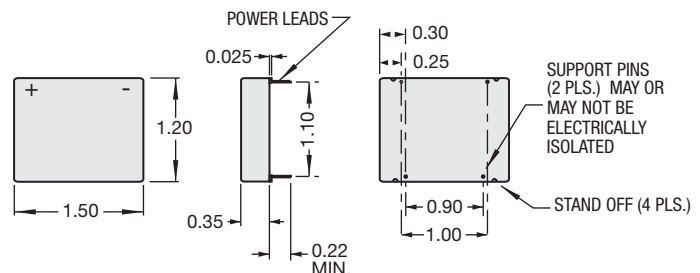
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WE CAN DESIGN TO FIT ANY APPLICATION.

Our team of engineers can design any pin configuration required to fit your specialized application. If you don't see a battery configuration you need here, call us and we will begin working on a EPT part number just for you.

EaglePicher™ Commercial Power Solutions