



LTC-7P



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)	750
Temperature:Low (Fahrenheit)	-67
Temperature:High (Fahrenheit)	185

DIMENSIONS AND WEIGHT

Width/Diameter (Inches)	0.7
Length/Depth (Inches)	1.2
Weight (grams)	9.0
Height/Thickness (Inches)	0.35

CELL SIZE

Cell Size/Type Prismatic Cells

PRODUCT NOTES

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

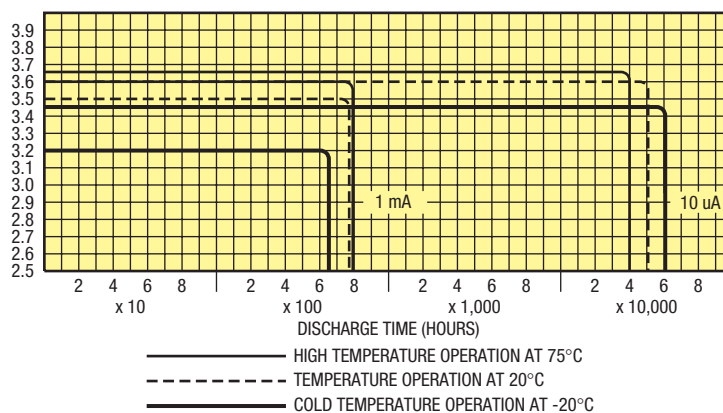
The LTC-7 module series was developed for those applications that require a high quality, ruggedly constructed, low profile battery configuration. Two (2) cell module designs are available, as either series connected (LTC-7PMS, 7.0 volts, 750 mAh) or parallel connected (LTC-7PMP, 3.5 volts, 1500 mAh) 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



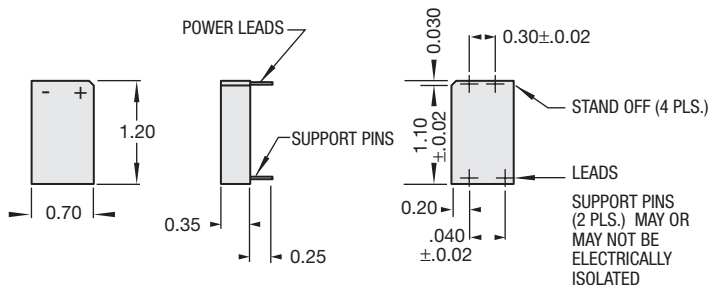
LITHIUM-THIONYL CHLORIDE BATTERIES

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.

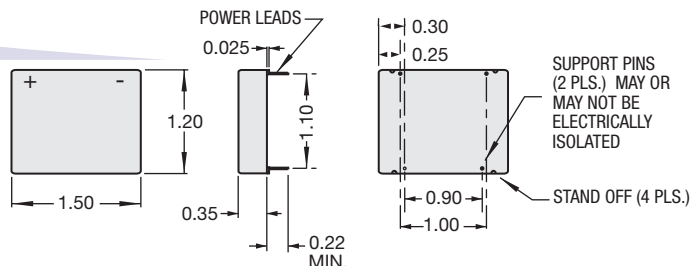
SPECIFICATIONS LTC-7P

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
 Volume268 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)



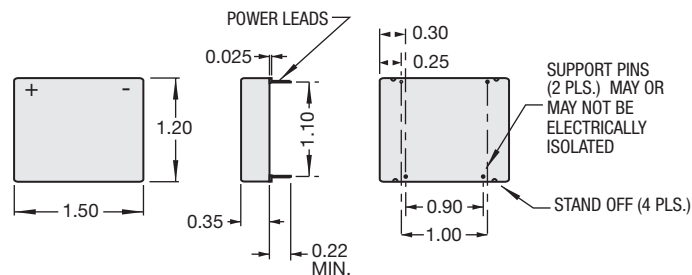
SPECIFICATIONS LTC-7PMP

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
 Volume594 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
 Volume594 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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