



## LTC-3PN-S2



### 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

<b>Voltage (Volts)</b>	3.5
<b>Capacity (MilliAmp-Hours)</b>	350
<b>Temperature:Low (Fahrenheit)</b>	-67
<b>Temperature:High (Fahrenheit)</b>	185

### DIMENSIONS AND WEIGHT

<b>Width/Diameter (Inches)</b>	0.265
<b>Length/Depth (Inches)</b>	0.65
<b>Weight (grams)</b>	4.6
<b>Height/Thickness (Inches)</b>	0.60

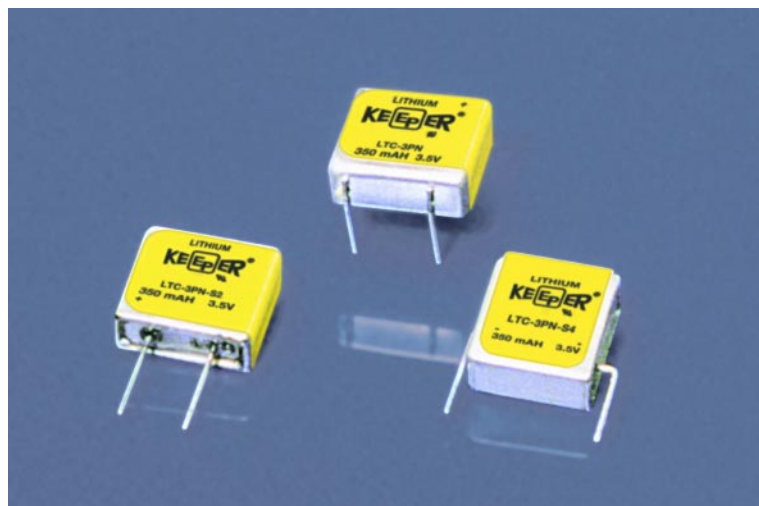
### CELL SIZE

**Cell Size/Type** Prismatic Cells

### PRODUCT NOTES

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

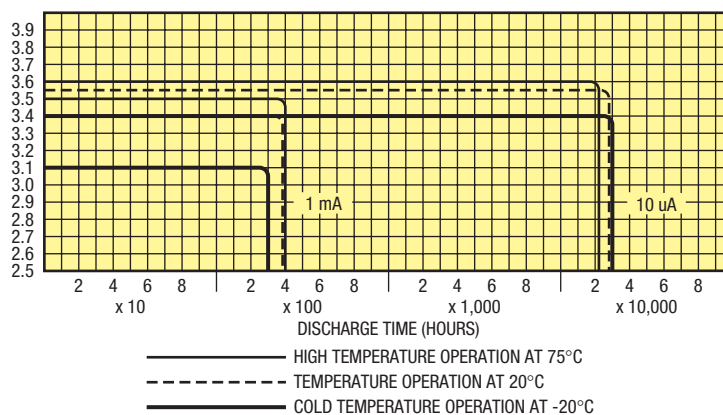
The LTC-3PN series is a perfect match for applications which have little space but need a reliable, high energy source. This cell is available in three (3) printed circuit board (PCB) mounting configurations, with the flexibility to be designed for any mounting geometry. With 350 mAh packed into 0.0975 in<sup>2</sup>, these small power sources will provide the solution for your electronic packaging requirements.



#### LTC-3PN 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-3PN DISCHARGE CHARACTERISTICS AT VARIED TEMPERATURES

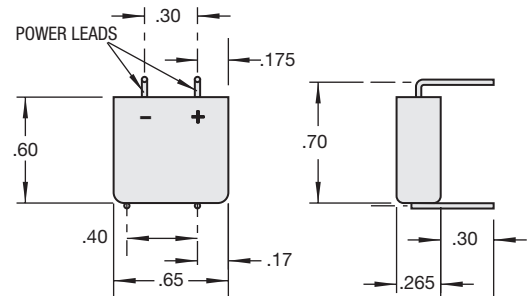


LITHIUM-THIONYL CHLORIDE BATTERIES

Part Number	Voltage	Capacity (mAh)	Length (in.)	Width (in.)	Thickness (in.)	Weight (g)
LTC-3PN	3.5	350	0.60	0.65	0.265	4.6
LTC-3PN-S2	3.5	350	0.65	0.265	0.60	4.6
LTC-3PN-S4	3.5	350	0.60	0.265	0.65	4.6

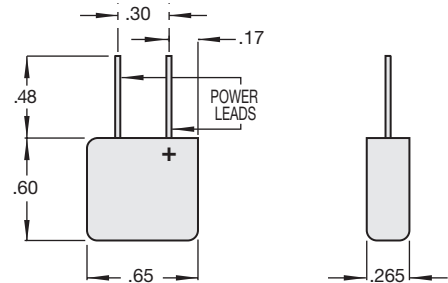
### SPECIFICATIONS LTC-3PN

Nominal Open Circuit Voltage, 25°C ..... 3.67 volts  
 Nominal Working Voltage, 25°C ..... 3.5 volts  
 Nominal Capacity (350 hr. rate), 25°C ..... 350 mAh  
 Volume ..... 0.103 cu. in.  
 Weight ..... 4.6 GMS  
 Operating Temperature ..... -40°C to +95°C  
 Case Material: 304 Stainless Steel, Hermetically Sealed (case negative polarity)  
 Terminal and Support Pins are .030" dia. (solder tinned)



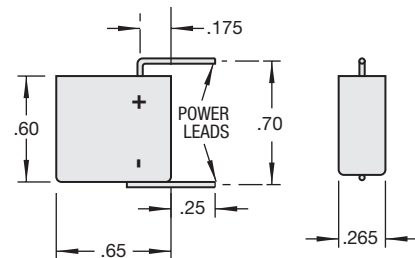
### SPECIFICATIONS LTC-3PN-S2

Nominal Open Circuit Voltage, 25°C ..... 3.67 volts  
 Nominal Working Voltage, 25°C ..... 3.5 volts  
 Nominal Capacity (350 hr. rate), 25°C ..... 350 mAh  
 Volume ..... 0.103 cu. in.  
 Weight ..... 4.6 GMS  
 Operating Temperature ..... -40°C to +95°C  
 Case Material: 304 Stainless Steel, Hermetically Sealed (case negative polarity)  
 Terminal and Support Pins are .030" dia. (solder tinned)



### SPECIFICATIONS LTC-3PN-S4

Nominal Open Circuit Voltage, 25°C ..... 3.67 volts  
 Nominal Working Voltage, 25°C ..... 3.5 volts  
 Nominal Capacity (350 hr. rate), 25°C ..... 350 mAh  
 Volume ..... 0.103 cu. in.  
 Weight ..... 4.6 GMS  
 Operating Temperature ..... -40°C to +95°C  
 Case Material: 304 Stainless Steel, Hermetically Sealed (case negative polarity)  
 Terminal and Support Pins are .030" dia. (solder tinned)



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