

LTC-3PN Keeper® Lithium-Thionyl Chloride



LTC-3PN, LTC-3PN-S2 and LTC-3PN-S4 Keeper®
Lithium-Thionyl Chloride Batteries

The LTC-3PN series is a perfect match for applications which have little space but need a reliable, high-energy source. These cells are available in three printed circuit board (PCB) mounting configurations, with the flexibility to be designed for any mounting geometry. With 350 mAh packed into 0.0975 in², these small power sources will provide the solution for your electronic packaging requirements.

Features and Benefits

- 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 allows for high-temperature usage
- Ship unrestricted, IATA No. UN3090
- Underwriters Laboratories recognized component

Specifications

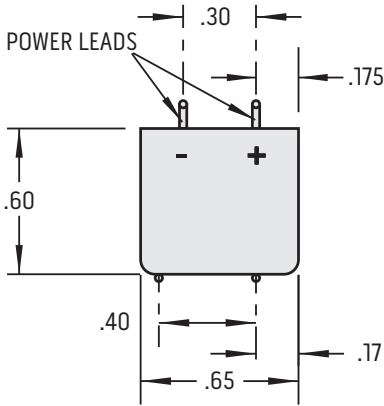
Weight	4.6 g (0.01 lbs)
Nominal Volume	0.103 in ³
Dimensions	Length: 15 mm (0.600 in.)
	Width: 17 mm (0.650 in.)
	Thickness: 7 mm (0.265 in.)
Voltage	3.5 V
Nominal Open Circuit Voltage	3.67 V at 25°C (77°F)
Nominal Working Voltage	3.5 V at 25°C (77°F)
Capacity	350 mAh
Nominal Capacity	350 mAh, 350 hour rate, at 25°C (77°F)
Operating Temperature	-40° to 95°C (-40° to 203°F)
Case Material	304 stainless steel, hermetically sealed, case negative polarity
Terminal and Support Pins	0.76 mm (0.030 in.) diameter, solder tinned

Applications

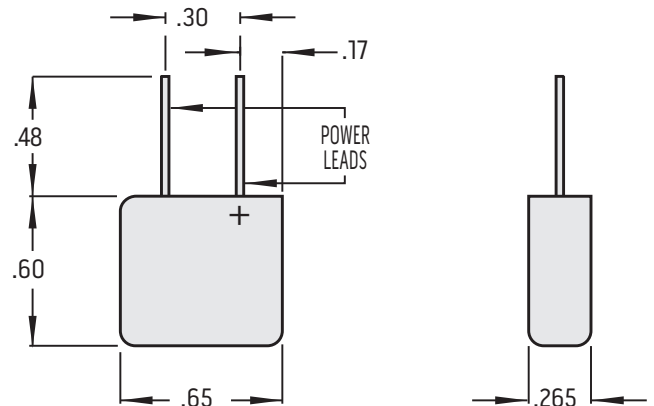
- Electronics
- Automatic metering reading (AMR) devices
- Medical devices
- Animal tracking
- Toll tags
- Measure, monitoring and security

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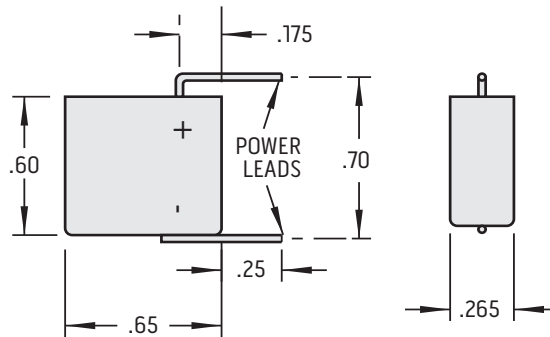
LTC-3PN



LTC-3PN-S2



LTC-3PN-S4



Typical LTC-3PN Discharge Characteristics at Varied Temperatures

