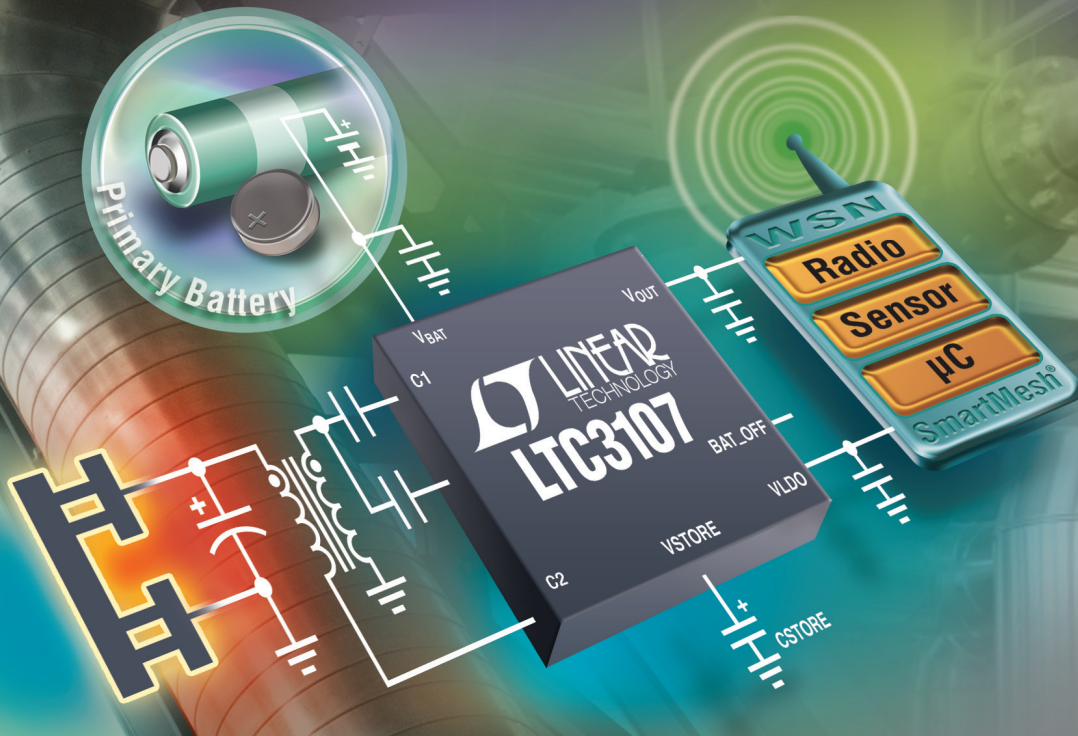


Harvest Thermal Energy



Extend Battery Life

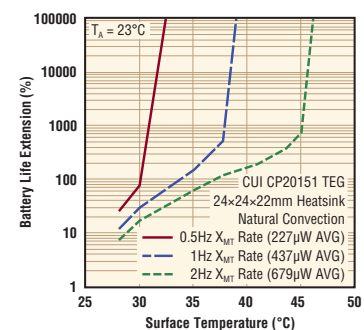
The LTC[®]3107 is a highly integrated DC/DC converter designed to extend the life of a primary cell battery in low power wireless systems by harvesting and managing surplus energy from extremely low input sources such as thermoelectric generators (TEGs) and thermopiles. Its step-up topology operates from inputs as low as 20mV. This next generation family of energy harvesting ICs includes devices that can handle inputs up to 19V with quiescent currents less than 1µA.

Energy Harvesters and Primary Cell Extenders

| Part Number | V _{IN} Range | I _{OUT} | Max. Power | Energy Source |
|-------------|-----------------------|------------------|------------|----------------------|
| LTC3106* | 0.33V to 5V | 600mA | ~500mW | + Primary Cell |
| LTC3107 | 0.02V to 0.5V | 30mA | ~90mW | + Primary Cell |
| LTC3330 | 3V to 19V | 50mA | ~1W | + Primary Cell |
| LTC3331 | 3V to 19V | 50mA | ~1W | Rechargeable Battery |

* Future Product.

Battery Life Extension



www.linear.com/products/energy_harvesting

1-800-4-LINEAR