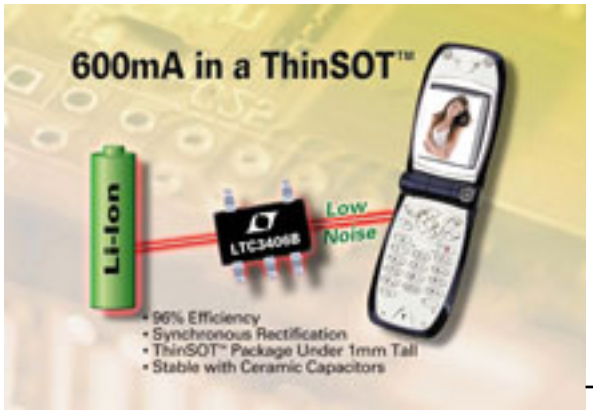
Buck Regulator



The LTC3406B is a high efficiency, 1.5 MHz, synchronous buck regulator that can deliver up to 600 mA of continuous output current from a tiny ThinSOT&#153 package. This device features continuous PWM operation without going into Burst Mode&reg to ensure low noise operation under all load conditions. Like the LTC3406, it uses a constant frequency, current mode architecture and operates from an input voltage range of 2.5 V to 5.5 V making it ideal for single cell Li-Ion, multi-cell Alkaline or NiMH applications. The LTC3406B can provide output voltages as low as 0.6 V, enabling it to power the latest generation of low voltage DSPs. Its 1.5 MHz switching frequency allows the utilization of tiny low cost capacitors and inductors less than 1 mm in height. The combination of the tiny externals, a ThinSOT package, and low noise make the LTC3406B optimal for handheld applications with onboard noise-sensitive circuitry.