

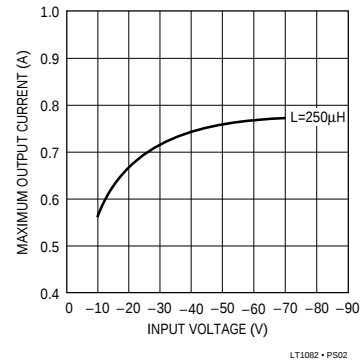
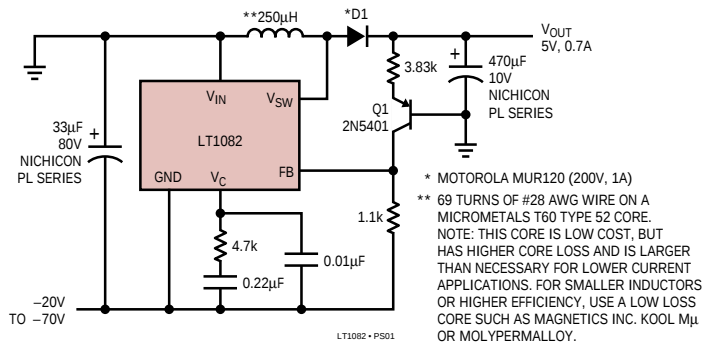
70V Input Telecom DC/DC Converter Provides 5V at 750mA

Telecom DC/DC conversion applications are usually complex due to the wide input voltage range of -30V to -70V . Either big expensive converter modules, or space and component intensive discrete solutions are normally required to handle this higher voltage. The **LT1082** contains a 1A switch which can handle 100V, enabling a -48V to 5V converter to be designed with minimal size and cost. Features include foldback of the 60kHz switching frequency under short circuit conditions, protecting the **LT1082** and power components from exces-

sive power dissipation. The **LT1082** DC/DC converter circuit provides up to 750mA of output current and the solution costs less than a modular supply of similar capabilities.

Packages for the **LT1082** include the small 8-lead plastic DIP, as well as the 5-lead TO-220. The **LT1082** is included in the LTC's SwitcherCAD™ design software.

Negative-to-Positive Telecom 5V Supply



Source: LTC Applications Dept.
www.linear-tech.com/telecom.html

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Appendices