

## 2.8 V to 36 V Integrated Load Switches Suit Industrial, Computing and Portables



Fairchild Semiconductor developed the AccuPower load switch series, said to be the industry's first 2.8V to 36V integrated load switches, intended to address the designer's mid-voltage needs. These load switches feature built-in protection to eliminate as many as four additional devices, saving over 70 percent board space according to the company. The devices provide full protection to systems and loads that may encounter large current conditions. The series contains a slew rate controlled N-Channel MOSFET which limits the amount of in-rush current. This protects from abnormalities on the main power supply rails. The input voltage range operates from 2.8 V to 36 V. Devices in the series offer low RDS(ON) (90 mOhm typical) to optimize power losses across the switch and over the entire input voltage range. Additionally, to address the emerging concern of current surges in these applications, AccuPower load switches feature Safe Operation Area (SOA) current limit protection, which guards against instantaneous short circuit events and protects the system from failure.

### Fairchild Semiconductor

888-522-5372, [www.fairchildsemi.com](http://www.fairchildsemi.com) [1]

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### Links:

[1] <http://www.fairchildsemi.com>