

Mil/Aero's Best Kept Secret

**Industry's best continuity of supply—
still producing devices originally designed in 1988**

High-rel offerings

- DSCC-approved devices for standard microcircuit drawings (SMDs)
- Maxim is a Class M supplier to the mil/aero industry
- Broad range of /883B devices
 - MIL-STD-883, paragraph 1.2.1 and MIL-PRF-38535, Appendix A
- Plastic—rugged-plastic screening flow for plastic-encapsulated devices
 - SOIC packages with full burn-in and temperature screening
 - Suitable for high-rel applications
 - ♦ When hermetic /883B devices may not be justified
 - ♦ Where reliability, board space, and weight are major considerations

Reasons to use Maxim parts

- Military nonobsolescence—While continually developing innovative devices, we remain faithful to our legacy devices
- US fabs—All mil/aero wafer fabrication is done on US soil
- Broad range of certified analog solutions for mil/aero applications
- SMDs are cross-referenced on Maxim's website (www.maxim-ic.com)

Maxim chips are in many programs/projects, including:

- Cassini
- Predator
- Joint Strike Fighter
- Joint Programmable Fuse
- F16
- Boeing 777
- Blackhawk
- Typhoon



Maxim provides 800 different high-rel devices to the mil/aero industry with solutions in the following SMD and /883B technology areas:

- *Amplifiers*
 - *Ultra-low offset voltage*
- Power and battery management
 - **Battery managers**
 - Voltage references
 - ♦ **Programmable**
 - ♦ **Precision, 2.5V**
 - ♦ *Precision, 10V*
 - **Regulators**
 - ♦ **Micropower voltage**
 - ♦ **Switching**
 - **Converters**
 - ♦ **True RMS to DC**
 - ♦ **PWM DC-DC**
 - ♦ **Switched-capacitor voltage**
 - **Power MOSFET drivers, single and dual**
 - **Supervisors and sequencers**
 - ♦ **µP supervisory circuits**
 - ♦ **Programmable voltage detector**
- **Filters**
 - **5th-order, zero DC error, lowpass**
 - *8th-order, continuous-time active*
- **Video**
 - **Video mux/amplifier**
 - **RF/video analog mux**
- **Interface and interconnect**
 - **RS-232 drivers/receivers**
 - *Low-power, RS-485 transceivers*
- **Data converters**
 - **Buffered, 8-bit multiplying DAC**
 - **Buffered, 12-bit multiplying DAC**
 - **Dual, 12-bit multiplying DAC**
 - **Quad, 8-bit and 12-bit DAC**
 - **Serial, 12-bit multiplying DAC**
 - **12-bit ADC with µP interface**
 - **High-speed, 12-bit ADC**
 - **High-speed, 8-bit track-and-hold ADC**
 - **µP-compatible, 8-bit ADC**
 - *10-bit and 12-bit multiplying DAC*
 - *µP-compatible, 12-bit DAC*
 - *Serial input, 12-bit DAC*
- **Analog switches and muxes**
 - **8-channel/dual 4-channel muxes**
 - **Dual and quad high-speed muxes**
 - **Analog switches, dual, quad, TTL**
 - *High-voltage, fault-protected analog mux*
 - *Low-power analog muxes*

Note: Solutions for both SMD and /883B are listed in **blue font**. Solutions for /883B only are listed in *black font italics*.

For more information, please contact your local Avnet or Maxim Direct sales office—
contact information is available at: www.maxim-ic.com/sales

Or, you may contact John O'Boyle, Military Business Manager at
John.OBoyle@maxim-ic.com



Maxim Integrated Products, Corporate Headquarters • 120 San Gabriel Drive
Sunnyvale, California 94086 • 1-408-737-7600

The Maxim logo is a registered trademark of Maxim Integrated Products, Inc. © 2008 Maxim Integrated Products, Inc. All rights reserved.

