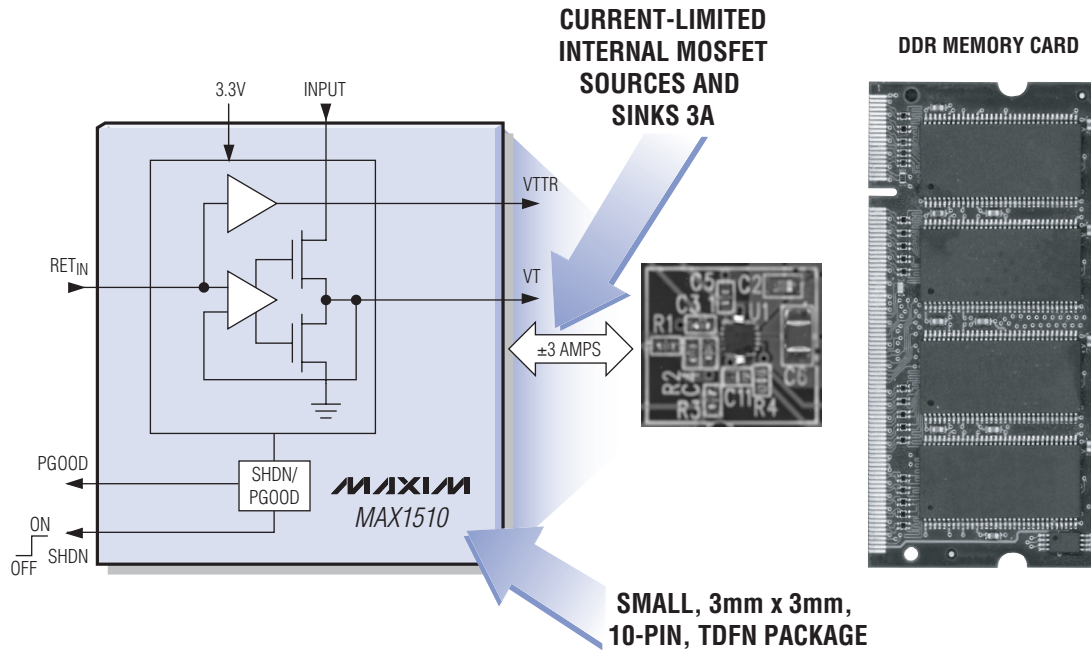


SMALL DDR SOURCE/SINK REGULATOR

±3A DDR Termination Supply Minimizes Cost and Board Space

The MAX1510 is a small DDR linear regulator that delivers an accurate 0.5V to 1.5V output voltage from a low-voltage input ($V_{IN} = 1.0V$ to $3.6V$). The regulator sources and sinks up to 3A using internal n-channel MOSFETs. Current limit, thermal limit, and power-good output are also protected, which reliably prevents damage to the MAX1510 or the system if a fault occurs.



- ◆ Internal Source/Sink Power MOSFETs with Current Limits
- ◆ External Reference Input with Reference Output Buffer
- ◆ Fast Load-Transient Response
- ◆ Ceramic or Polymer Output Capacitors
- ◆ +15mV (max) Load-Regulation Error
- ◆ Power-Good Output
- ◆ Shutdown Input and Thermal Shutdown
- ◆ Priced at \$0.83[†]

[†]10k-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



www.maxim-ic.com

FREE Low-Power Notebook Design Guide—Sent Within 24 Hours!

CALL TOLL-FREE 1-800-998-8800 (6:00 a.m.—6:00 p.m. PT)

For a Design Guide or Free Sample



Distributed by Maxim/Dallas Direct!, Arrow, Avnet Electronics Marketing, Digi-Key, and Newark.

The Maxim logo is a registered trademark of Maxim Integrated Products, Inc. The Dallas Semiconductor logo is a registered trademark of Dallas Semiconductor.
© 2004 Maxim Integrated Products, Inc. All rights reserved.