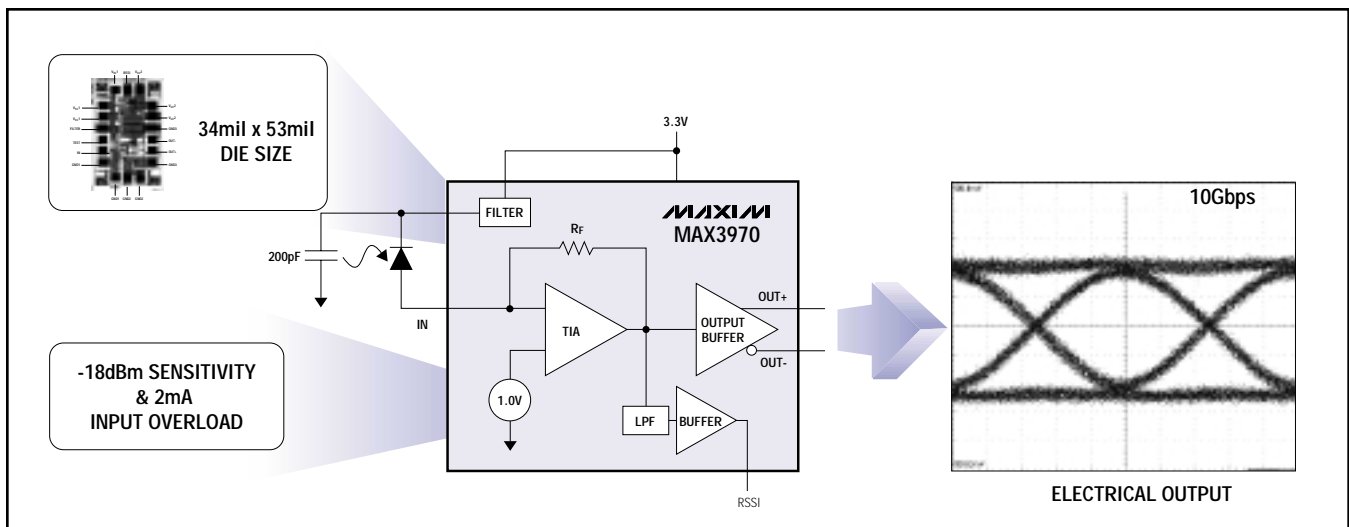


FIRST 3.3V 10Gbps LOW-POWER TIA

Consumes Only 140mW and Achieves -18dBm Sensitivity

The MAX3970 is a compact, low-power transimpedance amplifier (TIA) optimized for use in 10Gbps optical receivers. The TIA provides transimpedance of 590V/A with 50Ω differential CML outputs. The MAX3970 has typical input referred noise of 1.1μA and, when coupled with high-speed photodiodes, achieves -18dBm sensitivity and +2mA input overload. A received signal indicator (RSSI) simplifies optical assembly.



MAX3970 Key Specifications:

- ◆ -18dBm Sensitivity
- ◆ 140mW Power Consumption
- ◆ 590V/A Gain
- ◆ 9GHz Bandwidth
- ◆ 0°C to +110°C Operating Temperature
- ◆ Received Signal Strength Indicator
- ◆ CML Outputs with 50Ω Back Terminations
- ◆ 1.1μA Input Referred Noise



FREE Fiber Design Guide—Sent Within 24 Hours!
Includes: Reply Cards for Free Samples and Data Sheets

CALL TOLL-FREE 1-800-998-8800 for a Design Guide or Free Sample
6:00 a.m. – 6:00 p.m. Pacific Time

MAXIM
www.maxim-ic.com

2001 EDITION!
FREE FULL-LINE DATA CATALOG
ON CD-ROM



NEW! Get Price, Delivery, and Place Orders
Online at www.maxim-ic.com

Maxim Integrated Products, 120 San Gabriel Drive, Sunnyvale, CA 94086, (408) 737-7600, FAX (408) 737-7194.

Distributed by Maxim Distribution, Arrow, Avnet Electronics Marketing, CAM RPC, Digi-Key, Elmo, Nu Horizons, and Zeus.
Distributed in Canada by Arrow and Avnet Electronics Marketing.

MAXIM is a registered trademark of Maxim Integrated Products, Inc. © 2001 Maxim Integrated Products.