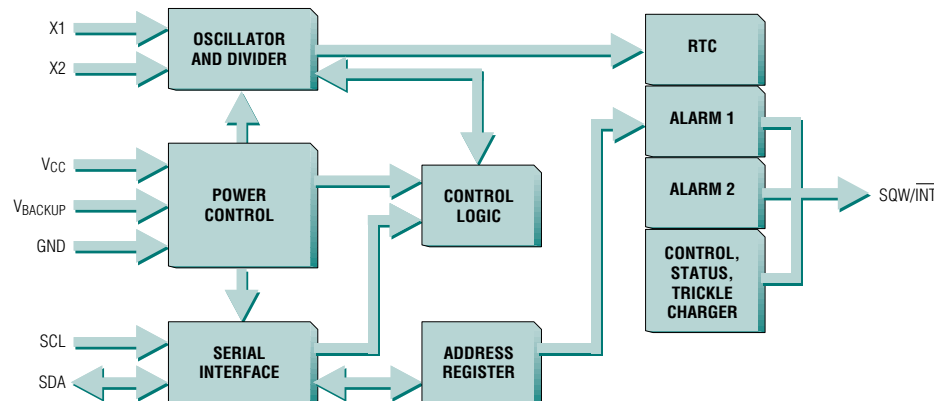


RTC PROVIDES DUAL TIME OF DAY ALARMS AND SQUARE WAVE OUTPUT

Operates Down to 1.3V and Provides Power Switching for Backup Power Source

The DS1339 provides a real-time clock (RTC), two time-of-day alarms, and a programmable square-wave output in an 8-pin μ SOP package. It also has dual power pins for primary and backup power supplies, and includes a programmable trickle charger. The RTC provides seconds, minutes, hours, day, date, month, and year information with leap-year compensation. The alarm interrupt can also be utilized as a square-wave output. In low-power mode, the oscillator maintains timekeeping down to 1.3V, consuming less than 1 μ A of current.

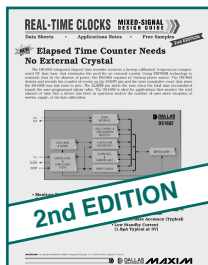


- ◆ Real-Time Clock/Calendar
 - ◆ Two Time-of-Day Alarms
 - ◆ Programmable Square-Wave Output
 - ◆ Oscillator Stop Flag
 - ◆ RTC Operates Down to 1.3V
- ◆ Backup Power-Supply Input
 - ◆ Programmable Trickle Charger
 - ◆ Low Oscillator Current (400nA Typical)
 - ◆ 8-Pin μ SOP
 - ◆ \$1.12 in Quantities of 1k[†]

**NEW
NEW**

PART	SUPPLY VOLTAGE (V)	BACKUP SUPPLY INPUT	TRICKLE CHARGER	TIME-OF-DAY ALARM(S)	SQUARE-WAVE OUTPUT	RESET OUTPUT	SRAM
DS1339	2.0, 3.0, or 3.3	✓	Programmable	✓	Programmable		
DS1337	1.3 to 4.0			✓	Programmable		
DS1307	5.0	✓			Programmable		56 x 8
DS1672	2.0, 3.0, or 3.3	✓	Programmable			✓	
MAX6900	2.0 to 5.5						31 x 8

[†]1000-up recommended resale, FOB USA. Prices provided are for design guidance. International prices will differ due to local duties, taxes, and exchange rates. Prices are subject to change.



FREE Real-Time Clocks 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

2002 EDITION!
FREE FULL-LINE DATA CATALOG
ON CD-ROM



www.maxim-ic.com



1-888-MAXIM-IC



ARROW ELECTRONICS, INC.
1-800-777-2776



1-800-332-8638

Dallas Semiconductor, 4401 South Beltwood Parkway, Dallas, Texas 75244-3292 Phone: 972-371-4000 FAX: 972-371-4470

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

MAXIM is a registered trademark of Maxim Integrated Products, Inc. © 2002 Maxim Integrated Products.