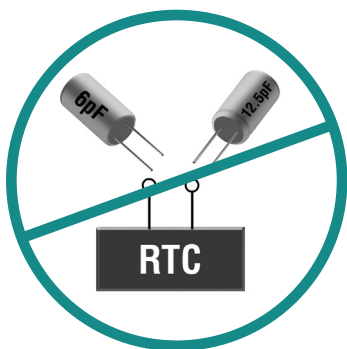


REAL-TIME CLOCKS INTEGRATE 32kHz CRYSTAL

Eliminate Crystal Selection and Sourcing

Four real-time clocks now integrate a 32kHz crystal into a 16-pin SO package. The devices provide the accuracy of a properly selected crystal, which frees the system designer from dealing with two separate suppliers and from any problems with the crystal's board layout. With this new flexibility and a broad range of capabilities, designers can choose the best combination of features for their applications.



*DID MANUFACTURING USE
THE RIGHT CRYSTAL?*

ARE THE TRACES TOO LONG?

DO I NEED A GUARD RING?

*CAN MANUFACTURING
HANDLE A THROUGH-HOLE
CRYSTAL?*



NO WORRIES

- ◆ **Standard SO Package with Integrated 32kHz Crystal**
- ◆ **Ideal for Portable Instruments, Point-of-Sale Equipment, Medical, and Telecommunications Applications**
- ◆ **-40°C to +85°C Temperature Range**

Eliminate Design Guess Work! Choose the Best Combination of Features for Your Design

Part	Clock Format	Trickle Charge	Alarms	Backup Power Source	Operating Voltage (V)	Pin-Package	Price† (\$)
DS1337C	HH:MM:SS	No	2	No	1.8 to 5.5	16-SO	1.23
DS1338C	HH:MM:SS	No	—	Yes	1.8, 3.0, 3.3	16-SO	1.52
DS1339C	HH:MM:SS	Yes	2	Yes	2.0, 3.0, 3.3	16-SO	1.52
DS1374C	Binary counter	Yes	1	Yes	1.8, 3.0, 3.3	16-SO	1.65

†1000-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 Real-Time Clocks 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



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