

Oscillators | Crystals | VCXOs | Temperature Sensors | Sensor Drivers

## FREQUENCY MANAGEMENT | International



3.2x2.5 SMD



5x3.2 SMD















5x7 J-leads 5x7 Straight Lead

5x7 Straight Leads 20 Lead Flat Pack

Half DIP (or Full)

Full)

Ruggedized for High Shock, Vibration & Ambient Pressure

As a manufacturer of high reliability crystals and oscillators, FMI offers extensive experience providing optimum frequency and timing components for harsh environment and extreme temperature systems and instrument applications.

FMI's product offerings include packaged crystals, fixed frequency oscillators, voltage controlled oscillators and temperature sensors. FMI also provides a variety of compact, low power and harsh environment drivers for piezoelectric sensors and transducers. Out products meet customer requirements for PCB, Hybrid, to MCM assembly configurations.

We offer a variety of package styles and form-factors that include through-hole and surface mount package types that meet the performance requirements under extreme environment operating conditions.

- Miniature Surface Mount Packages 7x7, 5x7, 5x3,2, 3,2x2,5 (all sizes in mm)
- Through Hole Packages DIP, TO style and Leaded SMD

FMI is the market leader in the development and implementation of the smallest package footprints for high reliability applications, including the 5x3.2 mm and 3.2x2.5 mm packages.

Ask us about our 200°C Low-power RTC with Calendar features and built-in 32.768 KHz Crystal Oscillator.

## **Electrical Performance Highlights**

Best optimized frequency stability vs. temperature range
Extreme low power timing solutions for Real Time Systems
Lowest power consumption at any operating voltage
Longest operating life at the highest temperatures
Standard output logic such as CMOS (HC/AC) or Sine Wave
Choice of operating voltage 1.2V to 18V covering all standards

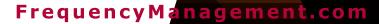
**Operating Environment Highlights** 

Lowest and Highest operating temperatures from -180°C to +325°C

Harsh environment compliance such as shock, vibration, thermal cycling, acceleration, altitude and ambient pressure to 10,000 psi

QPL MIL-PRF-55310 MIL-STD-790 ISO 9001-2015 Pb-free | RoHS Hi-Temp Low Power Series - ALP - 5x3.2

Model #: ALP5326-32K768
32.768 KHz Crystal Oscillator
Low Power Clock 40 μA @ 200°C 3.3V
75 ppm Tight Stability - 40 to 200°C
5x3.2 mm Ceramic SMD



Frequency Management International
15302 Bolsa Chica Street, Huntington Beach, CA 92649
tel. 714 373 8100 | 800 800 9825
Sales@FrequencyManagement.com

