



MEDIA NEWS RELEASE

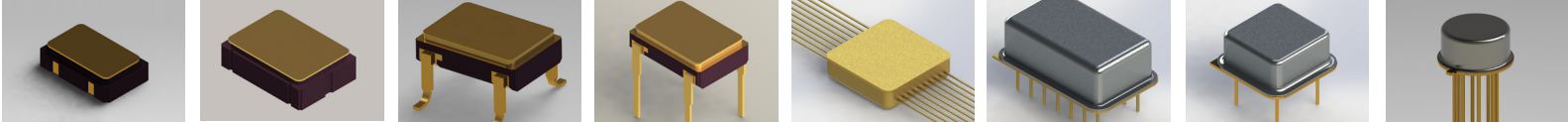
Sales@FrequencyManagement.com

High Reliability
Frequency
Control
Components

714 373 8100

SPACE Oscillators | Crystals | VCXOs

FREQUENCY MANAGEMENT | International



Rad Hard and 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 space product offerings include packaged crystals, fixed frequency oscillators and voltage controlled oscillators. 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 – 5x3.2, 5x7, 5x7 Gull Wing, 5x7 Straight Leads (all sizes in mm) & Flat Packs
- 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 leaded or lead less 5x7 mm packages.

FMI product offering covers legacy through-hole package platforms. Our much smaller variety of package offerings are specifically tailored to best suit the smaller scale and robotic space missions

FMI offers the smallest SMD crystal oscillators with class K die for high reliability operation over wide temperature ranges Swept quartz crystals are available if required. Please request our General Specification for space level products.

Electrical Performance Highlights

- Meeting industry standard TID or customer specified levels
- Lowest power consumption at any operating voltage
- Longest operating life at the highest temperatures
- Best optimized frequency stability vs. temperature range
- Choice of operating voltage 1.2V to 5V covering all standards
- Standard output logic such as CMOS (HC/AC), LVDS or Sine Wave

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

- MIL-PRF-55310
- MIL-PRF-38534
- MIL-STD-883
- MIL-STD-202
- MIL-STD-790

Smallest Form Factor Space Grade XO

Series: S53- 100 KRAD
 CMOS, 3.3V
 20 to 60 MHz Crystal Oscillator
 Space Grade, Tight Stability
 5x3.2 mm Ceramic SMD



FrequencyManagement.com

Pb-free | RoHS
ISO 9001-2008

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

