

## **MILITARY & AEROSPACE**

**Hi-Rel Products** 

Oscillators | Crystals | VCXOs | TCXOs | VCTCXOs | Crystal Filters | Temperature Sensors

## **FREQUENCY MANAGEMENT | International**



3 2x2 5 SMD

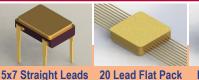
















5x3.2 SMD

Ruggedized for High Shock, Vibration & Ambient Pressure







As a QPL-listed manufacturer (per MIL-PRF-55310) FMI has extensive experience providing optimum products to the Military, HiRel and Commercial Space, Aerospace, Defense, and Avionics markets.

FMI's product offerings include standard products and COTS, as well as customer specified requirements for crystals and oscillators that are used in high reliability applications.

With this experience, FMI is able to provide components targeting both new systems designs and legacy replacements covering the range of package footprints.

FMI is leading the market 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.

## **Electrical Performance Highlights**

Lowest available power consumption

Best Optimized Frequency Stability vs. Temperature Range Excellent spectral purity (low phase noise and jitter) Extreme low power timing solutions for mobile, tactical & battery powered applications Standard output logic such as CMOS(HC/AC), LVDS, LVPECL and Sine-wave

Military temperature range (-55 to +125°C) Offering temperature ranges from -180°C to +300°C Harsh environment compliance such as shock, vibration, thermal cycling, acceleration, altitude Wide range of radiation tolerant solutions for space application (class "S" and "K") Pressure tolerant products to 10,000 psi





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