



MILITARY & AEROSPACE

Hi-Rel Products



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

FREQUENCY MANAGEMENT | International



Ruggedized for High Shock, Vibration & Ambient Pressure



QPL/41

MIL-PRF-55310F

Smallest | Lightest | Most Robust
DLA Qualified Crystal Oscillator
5x7 mm SMD w/ Gull Wing Leads
500 KHz to 125 MHz, 3.3V CMOS



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

- 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
- Lowest available power consumption

Operating Environment Highlights

- 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

QPL MIL-PRF-55310
MIL-STD-790
ISO 9001-2015
Pb-free | RoHS

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