



Crystals, Oscillators, Filters and RF Solutions



Instrumentation and
Industrial Applications

Mission Proven Crystals, Oscillators, Filters and RF Solutions for
60 years

Mtron is a proven market leader for filter products and tight stability, low phase noise and low aging crystals and oscillators. As a fully integrated design and manufacturing organization, Mtron has an established team and track record to meet instrumentation and industrial requirements.

Partners:

- Keysight Technologies
- National Instruments
- GoWell International
- Vega Grieshaber KG
- Viavi Solutions Inc.
- NCR Corporation
- Landis + Gyr
- Siemens
- Resideo
- Anritsu



Our Instrumentation and Industrial Applications Advantage

Mtron offers standard and custom products that meet flexibility, performance and reliability requirements for all instrumentation and industrial applications needs.



Capabilities:

- Ultra-low phase noise
- Tight stability OCXO with an integrated PLL in a small package
- Wide operating temperature, +200° C for downhole applications
- Wash proof surface mount LC filters
- Low intermodulation performance
- Very low insertion loss
- Low phase noise, tight stability and low aging TCXOs
- Support all standard output types, voltage, and packages



Product Lines:

- Tight stability, low phase noise and low G-sensitivity OCXOs up to 4 GHz
- PLL integrated oscillators
- LC filters to 6 GHz
- Cavity / Waveguide filters to 30 GHz
- Planar Filter from 1.5 GHz to 20 GHz
- Low phase noise VCXO
- TCXOs up to 1.4GHz
- Tunable Filters
- LNAs
- SSPAs
- RF Solutions



Our expert team of Engineers, Assemblers and Testers know the demands of instrumentation and industrial applications, and the discipline required to deliver high performance and highly reliable products.

In House Testing

- Fine Leak Testing - Helium per MIL-STD-202, Method 112
- Gross Leak Testing per MIL-STD-202, Method 112
- Random Vibration per MIL-STD-202, Method 214A
- Sinusoidal Vibration per MIL-STD-202, Method 201 and 20
- Mechanical Shock per MIL-STD-202, Method 213
- Thermal Shock per MIL-STD-202, Method 107
- Terminal Strength per MIL-STD-202, Method 211
- PIND (Particle Impact Noise Detection) per MIL-STD-202, Method 217
- Other Miscellaneous Testing including: Life, Immersion, Barometric Pressure, Humidity, and Solderability
- Dielectric Withstanding Voltage and Insulation Resistance



Production Capabilities

- Phase and Amplitude Matched Filter Sets
- Automated Intermodulation Testing
- Lead Attached 5x7mm package
- In house Crystal Processing
- World-class FOD Control
- Laser Weld

Workmanship Standards

- In-house J-STD-001 Certified Trainer
- J-STD-001 Class 2 and 3

Full DC and RF Testing

- RF Testing 100 kHz to 40 GHz
- In-house Power Testing



WE KNOW INSTRUMENTATION AND INDUSTRIAL APPLICATIONS