



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



**Certificate of Registration**

QUALITY MANAGEMENT SYSTEM - AS9100D AND ISO 9001:2015

This is to certify that:

M-Tron Industries Inc.  
1703 E. Highway 50  
Yankton  
South Dakota  
57078  
USA

with the requirements of AS9100D (technically 1:2015) and is assessed in accordance with AS9104/1

oscillators and custom built thick film hybrids, oscillators for resale.

*Artams*  
Rating Director Assurance - Americas

Issue Date: 2024-01-13  
Expiry Date: 2027-01-12

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as PMS BPP:  
wick High Road, London W4 4AL, UK  
44 (2017) 4607 USA +1 703 437 9000



**Certificate of Registration**

QUALITY MANAGEMENT SYSTEM - AS9100D AND ISO 9001:2015

This is to certify that:

MtronPTI  
2525 Shader Road  
Orlando  
Florida  
32804  
USA

Holds Certificate No: **FM 690357**

and operates a Quality Management System which complies with the requirements of AS9100D (technically equivalent to EN9100:2018 and JISQ 9100:2016) and ISO 9001:2015 and is assessed in accordance with AS9104/1 for the following scope:

Designer and manufacturer of radio frequency components and assemblies used in defense, aerospace, avionics, instrumentation, telecommunications, industrial, medical and space applications.

For and on behalf of BSI:

*Artams*  
Carlos Pittman, Chief Operating Officer Assurance - Americas

Original Registration Date: 2013-06-20  
Reissue Date: 2022-06-20

Issue Date: 2022-06-20  
Expiry Date: 2025-06-19

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To be read in conjunction with the scope above or the attached appendix.

Information and Contact: BSI, 389 Chiswick Road, Uxbridge, Middlesex, UK  
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick Road, London W4 4AL, UK  
Managed by: BSI Group America Inc., 12950 Windgate Drive, Suite 800, Herndon, VA 20170-6007 USA +1 703 437 9000  
A Member of the BSI Group of Companies.

## Our Instrumentation and Industrial Applications Advantage

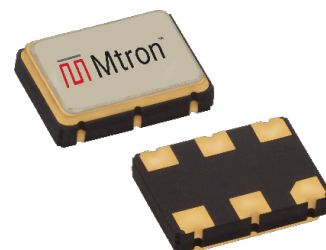
Mtron offers standard and custom products that meet flexibility, performance and reliability requirements for all instrumentation and industrial applications needs.

### 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**

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