Mtron™

Crystals, Oscillators, Filters and RF Solutions

Electronic Warfare and Radar

Electronic Warfare and Radar
Crystals, Oscillators, Filters and RF Solutions

Mtron™

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 electronic warfare and radar requirements.

Partners:

- **Raytheon Technologies Corp.**
- **L3Harris Technologies Inc.**
- **Northrop Grumman Corp.**
- **Lockheed Martin Corp.**
- **Smiths Interconnect**
- **Anduril Industries**
- **Thales Group**
- **BAE Systems**
- **Cobham**
- **SRC Inc.**


bsi.

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:

Carlos Pitanga, 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

Page: 1 of 1

...making excellence a habit.™

Electronic Warfare and Radar
Crystals, Oscillators, Filters and RF Solutions

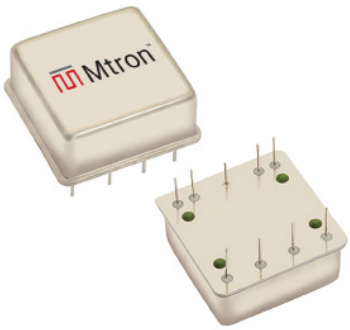
Mtron™

Our Electronic Warfare and Radar Advantage

Supporting Electronic Warfare and Radar applications, Mtron offers standard and custom products that meet flexibility, performance and reliability requirements.

Capabilities:

- **In-house crystal processing**
- **Ultra low phase noise and low G-sensitivity in a small package**
- **e-Vibe™ oscillator capability**
- **High power handling**
- **High channel to channel isolation**
- **Phase and amplitude filter matching**



Product Lines:

- **Crystal filters to 200 MHz**
- **LC filters to 6 GHz**
- **Cavity/ Waveguide filters to 30 GHz**
- **Planar Filters from 1.5 GHz to 20 GHz**
- **N-plexers, switched filter banks, phase and amplitude matches filter sets**
- **Precision resonators to 200 MHz**
- **Low phase noise and low G-sensitivity OCXOs up to 4.0 GHz**
- **Tunable Filters**
- **LNAs**
- **SSPAs**
- **RF Solutions**

mtron.com | sales@mtron.com | phone: 407.298.2000 | 2525 Shader Rd. Orlando, FL 32804

Electronic Warfare and Radar
Crystals, Oscillators, Filters and RF Solutions

Mtron™

Our expert team of Engineers, Program Managers, Assemblers, and Testers know the demands of Electronic Warfare and Radar 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 ELECTRONIC WARFARE AND RADAR

mtron.com | sales@mtron.com | phone: 407.298.2000 | 2525 Shader Rd. Orlando, FL 32804