Minimal Minimal Min

Crystals, Oscillators, Filters and RF Solutions



Electronic Warfare and Radar



Mission Proven Crystals, Oscillators, Filters and RF Solutions for

Over 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.

QUALITY MANAGEMENT SYSTEM - AS9100D AND ISO 9001:2015 bsi. Certificate of Registration QUALITY MANAGEMENT SYSTEM - AS9100D AND ISO 9001:2015 FM 690357 perates a Quality Management System which complies with the requirements of AS9100D (technically elent to prEN9100:2016 and JISQ 9100:2016) and ISO 9001:2015 and is assessed in accordance with AS9104/1 .making excellence a habit." Expiry Date: 2022-06-19 Page: 1 of 1 ...making excellence a habit."

bsi.

Certificate of Registration

Partners:

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

and Contact: BSI, Kitemark Court, Davy Avenue, Knowlitif, Milton Kirynes MKS BPP, a UK Limited, registerio di England under number 7805321 at 390 Chewick High Road, London W4 4AL, UK BSI Group America Inc., 1290 Windfgaler Drive, Subre 800, Hemdon, V4 2017-0-0007 USA +1 703 437 9000



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**



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



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

