ELECTRONIC WARFARE AND RADAR

CRYSTALS, OSCILLATORS, FILTERS & INTEGRATED ASSEMBLIES

SHORT FORM CATALOG
A REPUTATION OF RELIABILITY AND PERFORMANCE

MISSION PROVEN FILTERS, CRYSTALS AND OSCILLATORS FOR OVER 55 YEARS

MtronPTI 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, MtronPTI has an established team and track record to meet electronic warfare and radar applications requirements.

OUR CUSTOMERS

Raytheon Technologies Corporation
Northrop Grumman Corporation
Lockheed Martin Corporation
L3Harris Technologies Inc.
Smiths Interconnect
Thales Group
BAE Systems
Cobham
SRC Inc.

www.mtronpti.com
Supporting Electronic Warfare and Radar applications, MtronPTI offers standard and custom products that meet flexibility, performance and reliability requirements.

**CAPABILITIES**

- In-house high precision crystal resonator processing
- Ultra low phase and low G-sensitivity in a small package
- E-Vibe oscillator capability
- High power handling
- Phase and amplitude filter matching
- High channel to channel isolation

**PRODUCT LINES**

- Crystal filters to 200 MHz
- LC filters to 6 GHz
- Cavity / Waveguide filters to 30 GHz
- N-plexers, switched filter banks, phase and amplitude matched filter sets
- Precision resonators to 200 MHz
- Low phase noise and low G-sensitivity OCXOs up to 6.0 GHz
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 204
- 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, Humidity, Barometric Pressure, Solderability
- Dielectric Withstanding Voltage, 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 & 3

**FULL DC and RF TESTING**
- RF Testing 100 kHz to 40 GHz
- In-house RF Power Testing