MtronPTI®

Your Destination for RF Components and Solutions

SATELLITE COMMUNICATIONS

CRYSTALS, OSCILLATORS, FILTERS & INTEGRATED ASSEMBLIES

SHORT FORM
CATALOG

MtronPTI®

A REPUTATION OF RELIABILITY AND PERFOMANCE

MISSION PROVEN FILTERS, CRYSTALS AND OSCILLATORS FOR OVER 55 YEARS

MtronPTI is a proven market leader for highly selective filter products and tight stability, low phase noise and low g-sensitivity crystals and oscillators. As a fully integrated design and manufacturing organization, MtronPTI has an established team and track record to meet ground, shipboard and airborne satellite communications component and subsystem needs.

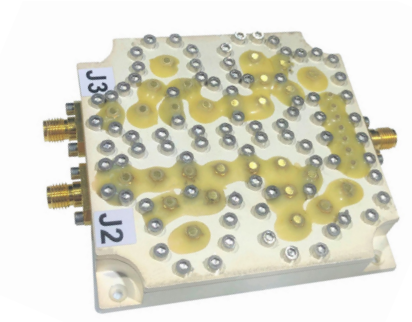
OUR CUSTOMERS

Comtech Telecommunications Corp.
Northrop Grumman Corporation
Hughes Network Systems LLC
Honeywell International Inc.
L3Harris Technologies Inc.
Gilat Satellite Networks
Cubic Corporation
AvL Technologies
Thales Group
Viasat

bsi.
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
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
...making excellence a habit.

OUR SATELLITE COMMUNICATION ADVANTAGE

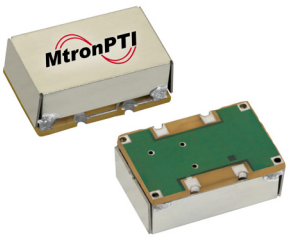
Supporting military and commercial satellite communication applications, MtronPTI offers standard and custom products that meet size, weight, performance and reliability requirements.



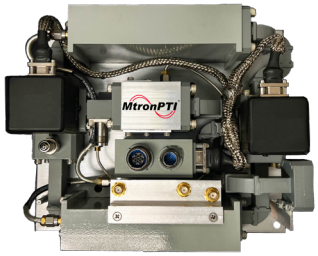
CAPABILITIES

- Ultra-lightweight and compact solutions
- High power handling RF filters
- Corona discharge analysis / testing
- High channel to channel isolation
- Very low insertion loss
- Ultra-low phase noise and tight stability in a small package
- E-Vibe compensation oscillator capability, low G-sensitivity

PRODUCT LINES



- Tight stability, low phase noise and low G-sensitivity OCXOs up to 6 GHz
- PLL integrated oscillators
- LC filters to 6 GHz
- Cavity / Waveguide filters to 30 GHz
- Planar Filter from 1.5 GHz to 20 GHz
- N-plexers, switched filter banks
- Low G-sensitivity TCXO
- Low phase noise VCXO
- Integrated Microwave Assemblies



WE KNOW SATELLITE COMMUNICATIONS

MtronPTI®
Your Destination for RF Components and Solutions

Our expert team of Engineers, Program Managers, Assemblers and Testers know the demands of Satellite communications 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 Power Testing

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