

MtronPTI today introduced the XO5503-100, a 100 MHz, high-performance e-Vibe™ series of Electronically Compensated OCXO. In high reliability communications and radar applications, maintaining phase noise performance under vibration is critical to performance. The XO5503 series OCXO is designed for applications where dynamic phase noise performance is very critical. The MtronPTI XO5503 Series OCXO incorporates a SC-cut quartz resonator and electronic vibration compensation resulting in 0.02 ppb/g G-sensitivity. The XO5503 Series OCXO replaces bulkier mechanically vibration compensated products and improves system performance while reducing the size to 2.0"x1.5"x0.8" with a maximum weight of 70 grams. Other features include supporting a wide temperature range of -45 °C to +85 °C and stability down to +/-200ppb.



MtronPTI offers a broad line of precision crystal resonators, oscillators, filters, and Integrated Microwave Assembly solutions. MtronPTI is an ISO 9001:2015 and AS9100 Rev. D certified organization.

### **Features:**

- Small Size 2.0" x 1.5" x 0.8"
- Temperature Stability +/- 200ppb
- Operating Temperature -45°C to +85°C
- Electronic Compensation with no moving parts
- Supply Voltage: 12V

### **Applications:**

- Airborne and Shipboard Radar
- Electronic Warfare
- Airborne satellite communications