

For Immediate Release

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Connor-Winfield Announces new OH20-TSE Temperature Sense Enabled OCXO Module



Aurora, IL — Connor-Winfield introduces its latest product, the OH20-TSE 10MHz OCXO Module, designed to meet the demanding requirements of precision timing applications. This Temperature Sense Enabled (TSE) OCXO module, model OH20TSE-10MHz, offers exceptional performance and versatility for a wide range of applications.

Key Features:

- **10 MHz Fixed Frequency SC Cut Crystal-Based OCXO:** The OH20-TSE provides a stable and precise 10MHz output frequency, making it ideal for applications where accurate timing is critical.
- **Temperature Sense Enabled (TSE) Design:** This module incorporates a temperature sensor and internal EEPROM, enabling it to support secondary compensation for temperature variations and maintain precise frequency stability to +/- .3ppb levels over temperature.
- **Native Frequency Stability +/- 5 ppb:** The OH20-TSE offers native thermal stability of ± 5 ppb over its entire operating temperature range, ensuring consistent performance in varying environmental conditions.
- **Low +/- 0.5 ppb Daily Aging Rate:** With a daily aging rate of just 0.2 ppb per day, this OCXO module maintains its frequency accuracy over extended holdover periods.
- **8x10⁻¹² ADEV Performance:** The OH20-TSE delivers exceptional short-term stability with an Allan Deviation (ADEV) of 8x10⁻¹², making it suitable for applications that require very low loop bandwidth levels.
- **3.3V DC Supply Voltage:** Designed to work with a 3.3Vdc power supply, this module is compatible with a wide range of electronic systems.
- **Temperature Range:** The OH20-TSE operates reliably in temperatures ranging from -40°C to 85°C, making it suitable for both indoor and outdoor applications.
- **Hermetic Package with Optional Secondary Cover:** The module is hermetically sealed to protect it from environmental factors, and an optional secondary cover is available for additional protection in a 22x25 SMD footprint option.
- **20x20mm Through Hole Footprint:** The compact footprint of 20x20mm allows for easy integration into your electronic designs.
- **RoHS Compliant / Lead-Free:** The OH20-TSE complies with RoHS regulations – ensuring it meets environmental and safety standards.

The OH20-TSE is specifically designed to operate seamlessly with Connor-Winfield self-compensating ICs (NS3D02 or FT3C02) and modules (F9T-FTC or F9T-CC). Its I2C pins provide convenient communication access to the temperature sensor and stored data in the EEPROM, allowing for precise calibration and control. We believe that the OH20-TSE OCXO Module, combined with a compensating module with many frequencies available, will be a valuable addition to your product offerings, providing your customers with the accuracy and stability they require for their critical timing applications.

Connor-Winfield products are designed and produced in the USA.

Price: \$20.00 1K quantity

For more information contact:

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