M3x5x Series 3.2 x 5.0 mm High Frequency VCXO





MtronPTI today introduced the M3x5x series small form factor high-performance Voltage Controlled Crystal Oscillator (VCXO). The M3x5x series VCXO delivers jitter performance as low as 130fs at 622.08MHz across the entire operating temperature. This outstanding jitter performance supports demanding applications including data center interconnect, broadcast video, and test and measurement. The M3x5x series VCXO is available with single, dual, and quad output formats, and supports output frequencies up to 2100MHz in an industry-standard 3.2 x 5.0 mm package, making it ideal for space-constrained designs. The M3x5x series VCXO further expands MtronPTI's industry-leading portfolio of high-performance VCXOs.

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:

- 3.2 x 5.0 mm ceramic package
- Frequency selection function: Single, Dual, or Quad
- Operating voltage 3.3V, 2.5V or 1.8V
- Low jitter: Typ. 130fs rms @622.08MHz
- Supports a wide frequency range: 15MHz to 2100MHz
- Operating temperature range up to -40 °C to +85 °C
- Output formats: CMOS, LVPECL, LVDS, CML or HCSL

Applications:

- Test and Measurement
- Industrial
- Optical Transmission