

MtronPTI today introduced the M2520 series small form factor differential output crystal oscillator. M2520 series oscillators support less than 100fs RMS Jitter with extremely tight frequency tolerance down to +/-20ppm. This oscillator has a small form factor of 2.5 x 2.0mm, supports a wide operating temperature range of -40 to +85C, and has standard and custom output frequencies up to 212.5 MHz, making it ideal for applications where space is limited and environmental conditions challenging. The M2520 series is suitable for a variety of applications, including optical modules, networking, servers, storage, telecom, and other applications which require low jitter and a small form factor.

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:

- Frequency range: 13.5 MHz to 212.5 MHz
- LVPECL and LVDS output options
- +/-20ppm stability, other options available
- <100fs RMS jitter @ 156.25 MHz
- 3.3V or 2.5V
- 2.5 x 2.0 mm surface mount package with 6 pad layout
- Operating temperature range: -45°C to 85°C

Applications:

- Optical Module
- Telecom and Datacom
- Industrial and Instrumentation

