



MtronPTI introduces the industries lowest phase noise performing VCXO with low g-sensitivity capability.

MtronPTI today introduced the industry's lowest phase noise performing VCXO with low g-sensitivity capability. XO7013 family of VCXOs has been developed to support applications that require extremely low phase noise performance under dynamic conditions. XO7013 offers a typical phase noise of -114 dBc/Hz and -164 dBc/Hz at 100 kHz and 1 MHz offsets respectively with a low g-sensitivity performance of 0.3ppb/g. The low g-sensitivity performance is optional which enables the XO7013 to be a cost effective solution for many applications including digital audio broadcasting (DAB), reference for digital-to-analog and analog-to-digital converters and Test and Measurement. Other features include a -40 to +85°C operating temperature, 3.3V power supply, CMOS output, stability of +/-50ppm, and no sub-harmonics. The XO7013 is in an industry-standard 9x14mm surface-mount package.

MtronPTI offers a broad line of oscillators, precision crystal resonators, filters and Integrated Microwave Assembly solutions.

### XO7013 Features:

80MHz and 100MHz

CMOS output

Low phase noise : -114 dBc/Hz at 100 kHz and -164 dBc/Hz at 1 MHz offsets

Operating temperature : -45 to +85°C

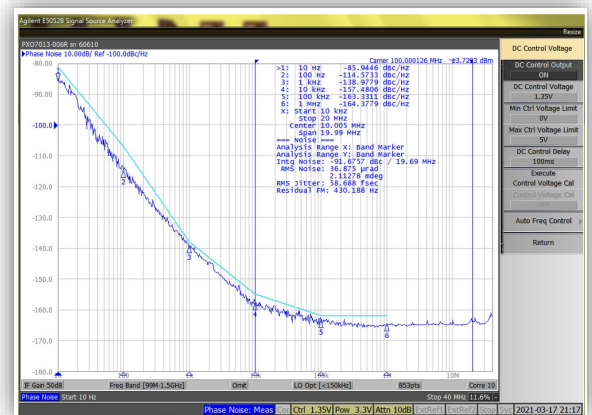
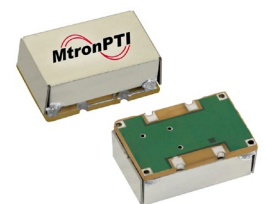
Absolute Pull Range : +/-20ppm

Operating Voltage: 3.3V

Low g-sensitivity option: 0.3ppb/g

### Applications:

Satcom, Test and Measurement,  
Avionics, Digital Broadcasting



Datasheet Link: [https://www.mtronpti.com/wp-content/uploads/XO7013\\_Series\\_11-03-21.pdf](https://www.mtronpti.com/wp-content/uploads/XO7013_Series_11-03-21.pdf)