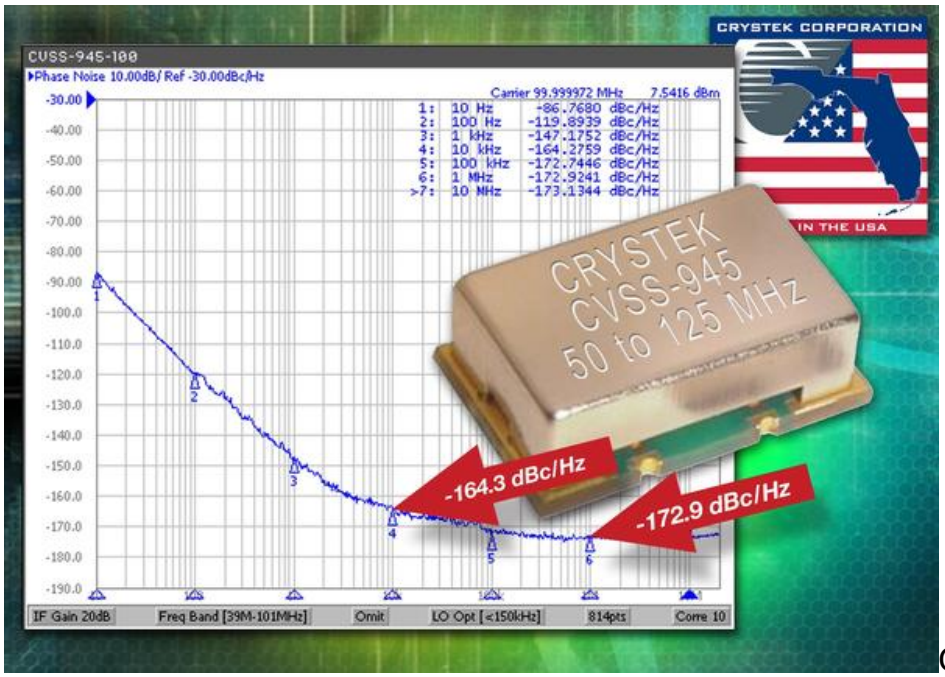
New SMD True Sinewave VCXO Provides High Frequency and Ultra Low Phase Noise Floor Performance



Crystek Crystals Corporation has launched the CVSS-945 – a True SineWave Voltage Controlled Crystal Oscillator [1] (VCXO) providing -172.9 dBc/Hz noise floor at 1 MHz offset and +/-20 ppm min. APR pullability. This high-performance VCXO is available in the industry standard 9x14mm SMD package and is engineered to MIL-STD-883 and MIL-STD-202 specifications.

The CVSS-945 VCXO generates frequencies between 50 MHz and 125 MHz, with output level of +5 dBm min into 50 Ohms and harmonics lower than -25dBc. The CVSS-945 consumes 30 mA max. current @ 5.0 volts and generates no sub-harmonics.

The CVSS-945 is ideal in PLL (phase locked loop) applications where the requirement is translating from 10 MHz to 100 MHz, as an example. For industrial and other rugged uses extended temperature operating range of -40°C to +85°C and other custom specifications are also available.

For pricing details, contact Crystek Corporation.

Family datasheets are available for download at www.crystek.com. For more information, contact sales at Crystek Corporation, 12730 Commonwealth Drive, Ft. Myers, FL 33913. Tel: 800-237-3061 or 239-561-3311; Fax: 239-561-1025; E-mail: sales@crystek.com.

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Posted by Sara Cohen, Editorial Intern

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[1] http://www.crystek.com/home/oscillator/vcxodetail.aspx?pn=CVSS-945
[2] http://www.crystek.com/home/crystek/default.aspx