



## ***NEW PRODUCT RELEASE***

### **TWO NEW FAMILIES OF USER SELECTED MULTI FREQUENCY OSCILLATORS FROM RALTRON**

#### ***VCXO and Clock Oscillator Series Feature High Frequency With Low Jitter***

Raltron Electronics, Miami, FL has announced their introduction of two new families of products allowing for user selection of frequencies from either a clock or voltage controlled oscillator.

Within a frequency range of from 10 – 1200MHz, both new CSMF and VSMF series are based on an advanced Digital PLL Platform that can be pre-programmed for up to two different output frequencies. This flexibility significantly reduces design and turnaround costs.

Both series incorporate a low frequency crystal with Low Jitter Synthesis to provide a wide range of frequencies. Both the CSMF clock and VSMF voltage controlled units are available in LVCMOS, LVPECL and LVDS output formats making the VSMF aptly suitable for SONET/SDH, GIGABIT ETHERNET, CLOCK/DATA RECOVERY and DSL with the CSMF units additionally useful in FIBRE CHANNEL applications.

Operating voltage for both the CSMF clocks and VSMF voltage controlled units are from 2.5 – 3.3V @ 35 – 45 mA within their frequency range of 10 – 1200MHz with RMS phase jitter at 0.8ps typ. within an operating temperature range of from –40 to +85°C. Units are supplied in a 5 X 7 mm ceramic package.

The Raltron Dual Frequency CSMF and VSMF oscillators are available within four weeks for sampling requirements with production quantities at 6- 8 weeks ARO. Current pricing is at \$ 9.75 each for CSMF units and \$14.75 for VSMF 's in quantities of 1K pieces. For detailed data sheets, sample requests and for specific price and delivery quotations please contact Raltron headquarters or visit their web site:

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*Founded in 1983, Raltron Electronics, Corp. is a privately held ISO-9001:2000 certified company that develops, manufactures, markets and sells worldwide, a large variety of frequency management products including timing crystals, crystal oscillators, VCO's, VCXOs, TCXOs, OCXOs, filters, ceramic resonators and other high precision control products. Its products are marketed through a worldwide network of independently owned representative firms and franchised distributors.*

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