



## ***NEW PRODUCT RELEASE***

### **NEW FAMILY OF ULTRA-LOW JITTER VCXO'S** Pin to Pin Replacements for Elusive Competitive Product

Rubyquartz LLC, Aventura, FL has announced the availability of its new V8F/V8M family of ultra-low jitter VCXO's suitable as pin for pin replacements for the Epson-Toyocom TCO-2111T products.

This new family of LVPECL Voltage controlled VCXO oscillators become particularly useful in applications such as Backhaul Transmission, Fiber Infrastructure, Gigabit Ethernet, PLL applications, Test & Measurement and Networking usages.

Typical frequencies, such as 122.88MHz, 153.6MHz, 155.52MHz, 245.76MHz, 320.00MHz, 491.52MHz and others make the V8F/V8M family additionally applicable in wireless base station, wireless and fiber transmissions and instrumentation applications.

Low RMS jitter is accomplished by using high frequency fundamental crystals for the frequency range of from 50 MHz to 250 MHz (0.4ps typ.) and an analog frequency multiplication scheme for the range of 100 MHz to 800 MHz (0.6ps typ.) with frequency pull-up at  $\pm 150$  ppm.

Supply voltage is at 3.3 V  $\pm 5\%$  within an operating temperature range of from -40 to +85°C. Units are furnished in a 9.0 X 14.0 FR4 package and are RoHS compliant.

The new Rubyquartz V8F/V8M family is currently available with a 6 – 8 weeks lead-time at pricing between \$10.00 to \$30.00 depending on frequency and performance for a quantity of 1000 pieces. For complete specifications, sample requests and for the latest price and availability information, contact:

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*RubyQuartz offers customers worldwide the technical expertise of one of the most established and prestigious R&D teams in the frequency components industry. Products with specifications at the cutting edge of the market demand are designed in the Florida headquarters. Manufacturing locations in Florida and China allow the company to satisfy customers' need to optimize total acquisition costs while sufficient production space is made available for all product families offered.*

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