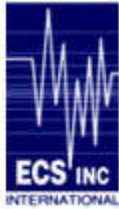


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## "e-news" The ECS Newsletter

*Frequency Control Solutions That Meet The Needs Of The Future . . . Today!*

Eighth Edition, 1st Quarter, 2003

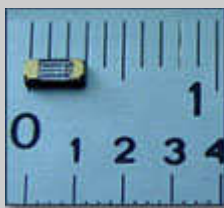
### This E-Letter is devoted to New Product Introductions

#### ECX-31-32.768Khz Crystal:

How much smaller can this product get?

ECS had completed the design and will begin full production in Q2 of its latest SMD 32.768 KHz tuning fork crystal. The focus of this design primarily was to address the ever increasing need for miniaturization of the very popular frequency.....32.768 Khz. Various clocking requirements in hand held devices from computer, PDA's, cellular and Bluetooth applications are all crying out for smaller and smaller products. In addition to what may be termed traditional applications, this new innovative product will find its way into many medical devices such as pace makers, defibrulators and glucose/diabetes monitoring devices.

This new and innovative photolithography technology process that laser trims the frequency and the glass-to-glass sealing is cutting edge technology. This product has excellent shock (10,000 G) and heat resistance characteristics. This device is only 1.2x3.2x1.0mm. It comes on reels of 3,000 and is priced in the \$.70 range in quantities of 10,000 units. Initial lead-times will run 10-12 weeks and improve throughout the year. Contact ECS for samples requests so that this new and innovative product finds its way into many new designs.



**The new ECX-31 is a strong Component of choice for all new Bluetooth and medical applications.**

**New Miniature Clipped Sine Wave VC-TCXO** (Voltage Controlled Temperature Compensated Clock Oscillator)

With the rise in mobile communications and the ever-increasing number of connected devices in the home and office, wireless technology has been designed to eliminate the need for cables within local environments. Our latest VC-TCXO has been developed to meet the stringent needs for space in these wireless products. ECS is introducing its

### Distributors Can Now List Their Inventory Position On Our Web Site

ECS has recently partnered with Net-Components, a provider of Distributor Locator Programs, that allows seamless access to all of our distributors inventories should they so choose to participate. There is no cost to our authorized distributors.

Please direct those distribution accounts to our web site so that they may be able to locate their product of choice. This is a great way to secure our products located at our designated distributors around the world. For those distributors that are not currently using this free service, we highly encourage your participation. Please contact ECS Distributor Sales for further information.

### ECS "Programming Centers" for our Programmable Products

The following authorized distributors are now prepared to program our series of programmable clock oscillators. Please direct the customer base to the distributor in your area that can service this requirement. We are now in negotiations with other distributors who also wish to become programming centers. We will keep you updated on those new additions.

- IEC/Walker Components, Denver, Colorado  
303-292-5537  
[www.walkercomponents.com](http://www.walkercomponents.com)
- Ontech, San Diego, California  
858-509-8844
- DigiKey, Thief River Falls, Minnesota  
800-344-4539  
[www.digikey.com](http://www.digikey.com)
- Diverse Electronics, Canada  
514-388-7308  
[www.diverseelectronics.com](http://www.diverseelectronics.com)
- Novotech Technology, Canada  
613-280-1910  
[www.novotech.ca](http://www.novotech.ca)

latest entry into its line of VC-TCXO's. This new VC-TCXO-34SM is only 2.5x4.0x1.1mm in size. Frequencies are available from 10.00~20.00 Mhz. Standard frequencies are 12.8, 13.0, 14.4, 19.2 and 19.680 Mhz. This product offers a stability of +/-2.5ppm from -30~+75C and voltage control range of +/-9ppm to +/-15ppm at +1.5V.

This product comes 1,000 units in Tape and Reel. It is priced at \$2.30 per unit in quantities of 10,000 units. Current lead-times are now 6~8 weeks. Contact ECS for samples and to confirm pricing for a particular application.



**The 34SM will bring ECS to the forefront in stability along with the needed miniaturization in a VC-TCXO format.**



well as new accounts.

Our new 10,000 class clean room expansion began production in early October. This expansion will allow us to increase our TCXO and VCXO production for existing telecommunication clients as

- Mouser Electronics, Mansfield, Texas  
800-346-6873  
[www.mouser.com](http://www.mouser.com)
- Brothers Electronics, East Brunswick, New Jersey  
732-238-2200  
[www.brotherselectronics.com](http://www.brotherselectronics.com)

### **ECS Announces New Distributors**

ECS announces that agreements have been reached with Novotech and Diverse Electronics. Both distributors are located in Canada. These two great organizations are our first entry into the Canadian Distribution market place. We are very excited about these appointments and we look forward to assisting Novotech and Diverse in supporting the very important Canadian marketplace.

- The Diverse web site is [www.diverseelectronics.com](http://www.diverseelectronics.com)  
Phone: 514-388-7308
- The Novotech web site is [www.novotech.ca](http://www.novotech.ca)  
Phone: 613-280-1910

### **ECS Announces Rob Turner as Western Region Sales Manager**

ECS has announced the appointment of Rob Turner as our Western Region Sales Manager. Rob will be responsible for California, Washington, Oregon and Utah. Rob has had previous tenures with Epson and Citizen frequency control groups. Please join us in welcoming Rob. We know he will be a tremendous help to all representative groups and distributors.



Rob can be contacted at:  
2800 Plaza Del Amo #15  
Torrance, California 90503  
310-320-1270  
E-Fax: 310-868-2924  
Cell: 310-251-9057  
Email: [robturner@sbcglobal.net](mailto:robturner@sbcglobal.net)

Rob brings strong credentials to the ECS team. Please give him your support.

### **Archived Newsletters**

ECS archives all newsletters on our web site for those whom may have missed a previous issue. Archived newsletters may be viewed by visiting the [NEWS](#) section of our website.

### **HELP US SPREAD THE "E-NEWS"!**

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