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"e-news" The ECS Newsletter

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

Fifth Edition, June/July, 2001

Product Feature of the Month A Programmable Clock With Character!!



That's right! ECS will officially introduce the World's Smallest Programmable Clock Oscillator next month. It will be available by early to mid August.

The 3.2x5mm programmable clock oscillator will be the first of its kind and is targeted

toward the new Blue Tooth revolution.

Custom frequencies will be available for turnaround for prototype or production within 24-36 hours in quantities of 1~100. Larger quantities will take just a little longer. This programmable clock oscillator will be introduced to our Distribution Network so they too can take orders in house and program the (UPO) Un-Programmed Oscillator for their customers. Costs of programmers and the UPO will be outlined in the upcoming newsletters and each of you will receive an official information packet about this new and exciting device.

At this writing, we are investigating other packages that would use a "hand held" programmer that may be marketed to the customer so that they can too program their own frequencies.

FAQ'S

Why isn't the part marking on the component the same as the part number?

Like everything else, things have gotten smaller and will continue to do so. We too struggle with the Model Number/Part Number and as stated.... the marking of the part.

To put its simply, the surface area that is available for marking anything is minimal at best. In addition, it is paramount that all components have a form of tractability either with date code or lot identification.

The smallest components today can only accept one line with maximum digits of 8 per line. After the company notation, there is only 5-6 digits for the frequency and then the lot identification. It is a dilemma.

Market Watch Slow and Steady

The industry slump continues. However, ECS is seeing signs of a "mini" recovery as inventories of current customers and new customers slowly decline. It is our opinion that we may bounce along this bottom for several months with "mini" upward spikes. This could well occur throughout the balance of the year. The introduction of some "New" products, to be discussed later in this newsletter, and strategic planning resulting in lower raw material costs will ensure our continued strength and market penetration.

We have positioned our costs, inventories and production techniques to take advantage of the sustained recovery that will blossom early next year.

Quartz Bars: ECS fabs produce the majority of its own quartz material. This insures shorter lead-times and greater quality control.



Tech Sector Design...Something to think about???

When specifying crystals for use in wireless designs, some parameters are of particular importance, including tolerance, stability, temperature range and load capacitance. These parameters require special consideration because they are essential to a sound design and can also impact the manufacturability and cost of the specified crystal. In addition to the mechanical demand of wireless application environments, designers need to consider the thermal requirements. Most wireless applications require crystals that can operate over the industrial temperature range of -40~+85C.

Over driven crystals tend to age faster and have more and stronger temperature anomalies. The smaller the crystal, the more pronounced these problems become,

Aging of the crystal is of course an undesirable characteristic. Default aging specifications are in the 3-5ppm/year range.

New Design Win..... Is it a game or a computer?

ECS has just won another design win! Our clock oscillator will be embedded in Microsoft's new X-Box game console.

This new product by Microsoft is due to launch in Q3 of this year and the projected volume, as you might guess is quite large. We obviously are very excited about this win and it just shows you what can be done with tier one type accounts if we focus our attention in that direction.



The ECS-VXO-93/95 Series of Voltage Controlled Crystal Oscillators are ideal for today's portable wireless devices.

Excess Inventory>>>>>that needs to find a home

Due to over zealous forecasts by OEM's and EMS companies, ECS has been blessed with some excess inventory.

This product can be procured at very attractive prices. Please contact an ECS sales representative for a quote.

The list of excess inventory is [available on our website](#).

Lead-times>>>>Where do we go from here?

A table showing the latest in lead-times is [available on our website](#). Forecasted trends are for the next 2 quarters.

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.

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