

Dear **C Wonnacott**

QUARTZLOCK NEWSLETTER ~ Spring 2011

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1. **New PCB mounted miniaturised rubidium oscillator**

Quartzlock has been working on a new sub miniature atomic clock (SMAC) for some time now and we are pleased to announce that the first production is now complete.

The new SMAC is a fraction of the size of our normal low profile rubidium oscillators (LPRO) at just 51mm² by 25mm high. With power requirements of just 6W (12Vdc) and are pin compatible with the majority of large OCXO's these devices are ideally suited to provide rubidium performance where OCXO's have been the only option due to size and power restrictions.



Despite the SMAC's small size performance has not been compromised with similar phase noise, harmonics and short term stability figures to its larger counterparts.

The SMAC has many applications within GPS, Time, Frequency, Radar and Telecoms and with its excellent phase noise characteristics of -100dBc@10Hz makes this one of the quietest oscillators for its size available.

The SMAC also comes with a minimum of 24 months warranty making this one of the lowest cost of ownership devices on the market today.

2. **Newsletter sign up**

We'd like to send you occasional email newsletters with items of interest to the time and frequency community, press releases and new product information. To request the newsletter [please sign up here](#). We will not send more than 1 newsletter a month on average.

Kind regards

Quartzlock