

High Performance Local Oscillator Generation in MicroTCA.4 and Main Oscillator Module with sub-fs Resolution

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KVG Quartz Crystal Technology GmbH is a professional frequency control products manufacturer, focusing on research, development, production and sales. High-end crystal oscillators are our specialty. We work together with DESY for the production and test of the DeRTM-LOG module and in the near future also for Master Oscillator (MO) module. The DeRTM-LOG is a MicroTCA.4 compliant and a multi-channel low noise local oscillator generator and high frequency signal and clock fan-out module. Currently the DeRTM-LOG1300 and DeRTM-LOG1500 are under production. The MO module can provide different fixed frequencies with excellent short-term noise below 1fs and long-term stability and high-power output. Besides, diagnostic units for various functions are available.

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