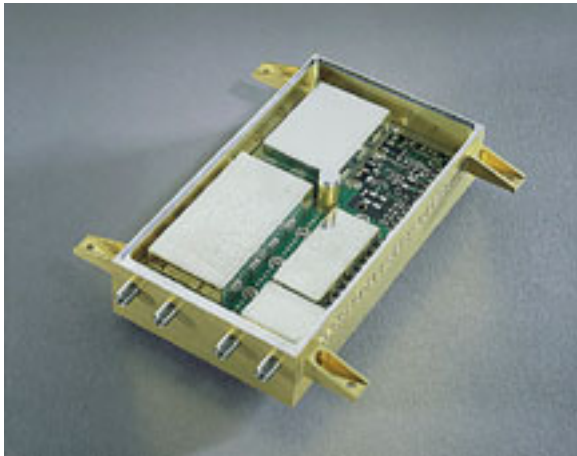


Small Modular Fixed Frequency Synthesizers



MTI-Milliren Technologies announced a new line of small modular fixed frequency (SMF) synthesizers as an addition to its family of products. The SMF Series was designed to offer customized features in a standard package and boasts multiple phase locked and time synchronous outputs as well as dual independent phase locked loops (PLL) referenced to a single source. Features include thermal stability of $1.00E-08$ over a 40 degree temperature range and a phase noise floor of ± 175 dBc @ 10 kHz. The extended frequency range of 1 MHz - 1 GHz qualifies this for applications such as Synthetic Aperture Radar (SAR) and Electronic Warfare (EW). Multiple supply voltage inputs support a wide variety of voltage requirements from ± 15 V to 24 V. The SMF Series has a warm-up time of < 5 minutes, a daily aging rate of $1.00E-09$, and power consumption of 9 W over the full operating temperature range. It comes standard with built-in test and sine outputs.

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<http://www.wirelessdesignmag.com/product-releases/2001/11/small-modular-fixed-frequency-synthesizers?qt-blogs=0>