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Fast (<500 nSec) Broadband Synthesizer Model 7831A (6.0–20.0 GHz)

Tirat Carmel, Israel – MicroKim's 7831A synthesizer was designed with the aim of replacing the bi-functional unit encompassing DTO and Synthesizer, for simulators in applications of EW test unit systems.

The module is a compact, broadband frequency source, covering the frequency range of **6.0-20.0 GHz**. The unit features frequency settling times of less than **500 nSec**, while frequency accuracy and stability exceeding 1.0 PPM is achieved.

The compact size enables integration of the module into portable equipment as well as lab equipment. This product can be used as an RF source for: Radar simulators, EW simulators, ATE applications, built-in testers and synthesized local oscillators in communication system application, especially where fine frequency resolution is needed.



Key Features

- Fast Tuning for Frequency Hopping (<500 nSec)
- Ultra Low Post Tuning Drift
- Digital Linear Tuning
- Low Spurious & Harmonics
- Low Phase Noise
- Phase Locked Loop for High Stability
- Linear FM Modulation
- Compact Size
- High Resolution Option

About MicroKim Ltd.

Established in 1972, Microkim Ltd. offers a broad line of microwave frequency synthesizers and Digitally Tunned Oscillators (DTOs) for military and commercial applications. For additional information contact Microkim Ltd. email to info@microkim.com or call us at +972-(0)4-8577490 or visit our web site <http://www.microkim.com>