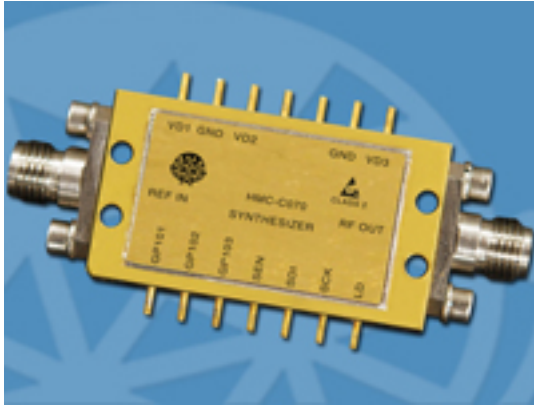


## Integrated Synthesizer Module Features 24-bit Step Size Resolution



Hittite Microwave Corporation has introduced the HMC-C070 MicroSynth fully integrated broadband synthesizer module. Operating from 5.5 to 10.5 GHz, the module is appropriate for military radar test & measurement and lab instrumentation applications. Combining high performance SiGe, GaAs pHEMT, and InGaP HBT technologies into a compact 1.36" x 0.75" hermetic package, the HMC-C070 MicroSynth offers a phase noise performance of -117 dBc/Hz at 1 MHz, and features auto and manually triggered sweep functions, making it a desirable building block for test and measurement applications. Typical output frequency range is 5.5 to 10.5 GHz with an average output power of +21 dBm, which is enough to drive two mixers. In fractional-N mode, the module can realize step sizes as low as 1.2 Hz. It also features fully integrated low noise regulators and an output buffer amplifier which results in excellent ripple rejection and output power performance.

### Hittite Microwave Corp.

978-250-3343, [www.hittite.com](http://www.hittite.com) [1]

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### Links:

[1] <http://>