Compact, High Power Synthesizer Delivers Excellent Performance from 10 MHz to 40 GHz

Hittite Microwave Corporation announces its newest instrumentation product. The HMC-T2240 is a 10 MHz to 40 GHz Synthesized Signal Generator which provides the highest output power, lowest harmonic levels and broadest frequency range compared with any signal generator of its size and cost.

Ideal for use in automated test and measurement environments, research, and development laboratories, the HMC-T2240 is a compact and lightweight frequency generator that delivers up to +29 dBm @ 1 GHz of CW output power in 0.1 dB steps over a 60 dB dynamic range. Harmonic rejection is better than -30 dBc and spurious products are better than -60 dBc at integer frequencies and better than -45 dBc at fractional frequencies. Phase noise is -96 dBc/Hz @ 10 kHz offset at 10 GHz. The HMC-T2240 also delivers frequency resolution of 1 Hz and fast switching speed of 500 us.

Built on a foundation of Hittite’s high quality and market leading MMICs, this versatile signal generator features multiple interfaces (USB, GPIB and Ethernet) and innovative control software ensuring carefree integration within multiple test environments. An installation disk that accompanies each unit includes all of the drivers required to remotely control the device as well as a user friendly GUI interface compatible with Windows XP®, Windows 7 ®, Windows Vista® operating systems.

User control is facilitated via pull down menus that allow programming of single or swept modes in frequency and/or power. Integration of multiple units within a production test environment is easy and affordable.

The HMC-T2240 is compact and lightweight, making it well suited for integration within various test environments while improving overall productivity and equipment utilization. The compact size and high output power capability of the HMC-T2240 ensures a simpler test configuration, while the broad frequency range of 10 MHz to 40 GHz allows the user to sweep across many microwave and millimeterwave frequency bands with a single synthesizer.

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