# Abstracts

## Fundamental-Mode Pierce Oscillators Utilizing Bulk-Acoustic-Wave Resonators in the 250 - 300 MHz Range

*S.G. Burns and R.S. Ketcham. "Fundamental-Mode Pierce Oscillators Utilizing Bulk-Acoustic-Wave Resonators in the 250 - 300 MHz Range." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 83-84.*

Fundamental-mode Pierce Oscillators in the 250-300 MHz range have been realized utilizing a unique form of a bulk-acoustic-wave (BAW) resonator. Phase noise of -100 dbc/Hz (1 KHz offset) and output power levels of +6 dbm have been demonstrated. A linear-model design was used. The circuit topology and resonator fabrication technique show great promise for creation of monolithic circuits in the 200 MHz to 2 GHz range.

❑ Return to main document.