

Abstracts

Progress Toward Solid-State Local Oscillators at 1 THz

T.W. Crowe, T.C. Grein, Ralph Zimmermann and P. Zimmermann. "Progress Toward Solid-State Local Oscillators at 1 THz." 1996 Microwave and Guided Wave Letters 6.5 (May 1996 [MGWL]): 207-208.

A varactor tripler to 800 GHz with 250 mW output power is reported. This tripler uses a new GaAs Schottky diode which has been optimized for high frequency applications. It features a smaller anode diameter and higher epitaxial doping density than previous varactor multipliers. The resulting output power is much greater than has been previously reported at such a high frequency.

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