

Abstracts

80 GHz MMIC HEMT VCO

*V. Radisic, L. Samoska, M. Micovic, Ming Hu, P. Janke, C. Ngo and L. Nguyen. "80 GHz MMIC HEMT VCO." 2001 *Microwave and Wireless Components Letters* 11.8 (Aug. 2001 [MWCL]): 325-327.*

In this letter a monolithic voltage-controlled oscillator (VCO) operating in the 77.5-83.5 GHz range is presented. InP HEMTs are used for both the active device and varactor. The VCO demonstrated a tuning range of 6 GHz and an output power better than 12.5 dBm in the entire tuning range.

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