

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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