

## Active, monolithically integrated coplanar V-band mixer

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*M. Schefer, U. Lott, H. Benedickter, H. Meier, W. Patrick and W. Bachtold. "Active, monolithically integrated coplanar V-band mixer." 1997 MTT-S International Microwave Symposium Digest 2. (1997 Vol. II [MWSYM]): 1043-1046.*

An active V-band mixer is presented. The device used for mixing is an InP HEMT. The measured maximum mixer conversion gain is 5 dB. This is to the authors' knowledge the highest reported gain in the mm-wave range for a mixer that does not include a pre-amplifier or IF amplifier.

 [Return to main document.](#)