Abstracts

Performance of 94 GHz Coherent Pulsed IMPATT Transmitters

M.D. Simonutti, D.L. English and F.J. Bernues. "Performance of 94 GHz Coherent Pulsed IMPATT Transmitters." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 75-77.

Millimeter-wave injection-locked pulsed oscillators using double drift silicon IMPATT diodes have been developed for coherent radar applications at 94 GHz. Measurements of the intra-pulse phase ripple, the additive phase noise, and the locking bandwidth of these devices, as determined by means of a phase bridge, are described.

❑ Return to main document.