Abstracts

Optical Techniques for Microwave Generation, Transmission, and Control

L. Goldberg, R.D. Esman and K.J. Williams. "Optical Techniques for Microwave Generation, Transmission, and Control." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 229-232.

Techniques for optical generation of microwave signals to 35 GHz, including direct laser diode modulation, FM sideband injection locking of laser diodes, and offset frequency phase locking of solid state lasers will be reviewed. Optical methods for controlling microwave devices, including phased array radar and oscillators will be described together with recent advances in optical transmission of microwave signals.

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