

Abstracts

Optical Injection Locking of FET Oscillators Using Fiber Optics

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We discuss the effects of multimode fiber-optic coupling on optical injection-locked GaAs MESFET oscillators. Locking frequency range data are presented and the effects of laser mode locking and fiber modal microphone discussed. The effects of FET photodetection efficiency as a function of modulation frequency are identified together with means for locking range enhancement.

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