

Abstracts

The Design of Tuned Front-End GaAs MMIC Optical Receivers

S.D. Greaves and R.T. Unwin. "The Design of Tuned Front-End GaAs MMIC Optical Receivers." 1996 Transactions on Microwave Theory and Techniques 44.4 (Apr. 1996 [T-MTT]): 591-597.

Recently, much interest has been shown in the design of very low noise tuned front-end optical receivers for use in lightwave systems. This paper looks at the accurate design of such receivers. Simplified design expressions are presented for a number of tuning configurations with theoretical and measured results being presented. The designs were realized as GaAs monolithic microwave/millimeter-wave integrated circuits (MMIC's).

[Return to main document.](#)