

Abstracts

Traveling-Wave Coherent Light-Phase Modulator

M.E. El-Shandwily and S.M. El-Dinary. "Traveling-Wave Coherent Light-Phase Modulator." 1972 Transactions on Microwave Theory and Techniques 20.2 (Feb. 1972 [T-MTT]): 132-137.

The use of a rectangular waveguide partially loaded with electrooptic material as a laser beam phase modulator is analyzed theoretically. The characteristic equation, fields, power, and attenuation are obtained in terms of normalized parameters. Design procedure of the modulator is given with particular reference to KDP.

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