

Abstracts

Distributed Capacitance of a Thin-Film Electrooptic Light Modulator (Letters)

E. Yamashita and K. Atsuki. "Distributed Capacitance of a Thin-Film Electrooptic Light Modulator (Letters)." 1975 Transactions on Microwave Theory and Techniques 23.1 (Jan. 1975 [T-MTT] (Special Issue on Integrated Optics and Optical Waveguides)): 177-178.

An analytical method is described which determines the distributed capacitance of a thin-film electrooptic light modulator with parallel-strip electrodes. The capacitance is expressed in a variational form. The anisotropy of the crystal and the presence of surrounding air are considered. Numerical examples for the case of Li-Nb-O₃ are given.

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