

TE Wave Properties of Slab Dielectric Guide Bounded by Nonlinear Non-Kerr-Like Media (1995 Vol. II [MWSYM])

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TE wave properties of slab dielectric waveguide with nonlinear non-Kerr-like substrate and cladding are presented. The guide can support even- and odd-symmetrical modes in asymmetrical substrate and cladding and asymmetrical modes in completely symmetrical cases. The dispersion relations, electric field profiles are illustrated and analytically discussed in detail.

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