

Abstracts

Propagation Characteristics of the Ridge Waveguide for Acoustic Surface Waves

R.C.M. Li, H.L. Bertoni, A.A. Oliner and S. Markman. "Propagation Characteristics of the Ridge Waveguide for Acoustic Surface Waves." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 97-99.

Using a microwave network approach, approximate but simple dispersion relations are obtained for the "flexural" and "pseudo-Rayleigh" modes of the ridge waveguide. The propagation characteristics calculated from the relation for the "flexural" mode compare very well with experimental data over a wide frequency range; no accurate measurements are presently available for the "pseudo-Rayleigh" mode.

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