

Microwave Network Methods Applied to Acoustic Surface Waves

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One of the exciting new possibilities in the microwave field today is that of true microminiaturization with acoustic surface wave circuitry. Two of the possible acoustic surface waveguides which have been proposed are shown in Fig. 1. The behavior of these waveguides and of the circuits which could utilize them are not well understood, however, because of the complexity associated with boundary value problems involving acoustic waves in solids.

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