

COUPLING OF SURFACE WAVE RESONATORS

The waveguide segment limited in the direction of wave propagation is a resonator the resonance frequency of which is determined by the length of this segment l . This also applies to surface plasmons. Thus, a separate metal plate (or film) on the dielectric substrate can be a resonator. Such resonator is called a surface wave resonator (SWR). The system of two such resonators has rather interesting properties. These properties were investigated in this paper.

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