

Abstracts

Static Capacitance Calculations for a Surface Acoustic Wave Interdigital Transducer in Multilayered Media

A. Venema, J.J.M. Dekkers and R.F. Humphryes. "Static Capacitance Calculations for a Surface Acoustic Wave Interdigital Transducer in Multilayered Media." 1978 *Transactions on Microwave Theory and Techniques* 26.4 (Apr. 1978 [T-MTT]): 294-297.

The static capacitance of an interdigital structure in multi-layered media has been calculated. Numerical results are given for a surface acoustic wave interdigital transducer on an oxidized silicon substrate with a piezoelectric overlay. The capacitance is derived in terms of the layer thicknesses for zero and infinite substrate resistivity.

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