

Analysis of the Shielded-Strip Transmission Line with an Anisotropic Medium (Short Papers)

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Analysis of the shielded stripline with an anisotropic medium is presented by means of an affine transformation and a conformal mapping technique. The capacitance is represented in the function $K'(k) / K(k)$ with a modified modulus k , which is obtained by multiplying d , the width between the ground planes in [1, table I], by α . The parameter α relates to the anisotropic medium. The exact distributions of equipotentials and lines of electric flux in the anisotropic medium are also presented.

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