

## Analysis of the Transmission Properties of Grounded Finlines on Anisotropic Substrates

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A. Beyer and D. Kother. "Analysis of the Transmission Properties of Grounded Finlines on Anisotropic Substrates." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. 1 [MWSYM]): 323-326.

This contribution describes a rigorous method for an efficient computation of finlines on anisotropic substrates. It allows a realistic description of these waveguides because it can also consider the second order effects such as the influence of the metallization thickness and of the substrate grooves on the transmission properties, which are calculated by means of integral eigenvalue equations generated for the interfaces of the considered crosssection. Several examples for the effective dielectric constant illustrate the applicability of the described method.

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