

# Abstracts

## Coupled Slots on an Anisotropic Sapphire Substrate

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*T. Kitazawa and Y. Hayashi. "Coupled Slots on an Anisotropic Sapphire Substrate." 1981 Transactions on Microwave Theory and Techniques 29.10 (Oct. 1981 [T-MTT]): 1035-1040.*

Two analytical approaches are presented for coupled slots on an anisotropic sapphire substrate using the network analytical methods of electromagnetic fields. One is based on the quasi-static approximation and it derives the transformation from the case with the anisotropic substrate to the case with the isotropic substrate. The other is based on the hybrid mode formulation and it gives the dispersion characteristics.

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