Abstracts

Numerical Spectral Matrix Method for Propagation in Anisotropic Layered Media

A.A. Mostafa, C.M. Krowne and K.A. Zaki. "Numerical Spectral Matrix Method for Propagation in Anisotropic Layered Media." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 311-314.

A 6x6 macroscopic tensor is used to characterize each layer of a multilayered structure that may have arbitrary anisotropy and loss, as well as arbitrary number of conductors at each interface. The calculated propagation constant reflects the dispersion behavior of the transmission system. Numerical data are presented for both low and high anisotropy dielectric layered structures.

❑ Return to main document.