

Abstracts

The Current Distribution of High-Tc Superconducting Microstrip Lines

T. Yu, X. Zhang, B. Gao and P. Wu. "The Current Distribution of High-Tc Superconducting Microstrip Lines." 1996 MTT-S International Microwave Symposium Digest 96.3 (1996 Vol. III [MWSYM]): 1667-1670.

In spectral-domain, the complex propagation constants K_{x0} of microstrip transmission lines with a definite-thickness HTSc strip and the current distributions on the strip are calculated. The key technique is that when the Current distribution are calculated, the first coefficient C_0 must be reasonably supposed as a complex value to consider the effect of Two-Fluid Model.

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