Abstracts

Analysis of the Transient Temperature Distribution in a Stripline with Triple-Layer Dielectric (Short Papers)

S. Masaki, N. Yoshida, I. Fukai and J.-I. Fukuoka. "Analysis of the Transient Temperature Distribution in a Stripline with Triple-Layer Dielectric (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.2 (Feb. 1976 [T-MTT]): 119-121.

The transient temperature distributions in the cross section of a stripline with triple-layer dielectric substrate are found by employing the finite element method. The calculations for three cases of different depths of center conductor considered as heat source are shown. For each case, the calculated temperature distributions are shown at t = 10 s when the temperature variation has a large gradient in time and at the steady state.

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