

Abstracts

Modelling the Dispersion in a Suspended Microstripline

R.S. Tomar and P. Bhartia. "Modelling the Dispersion in a Suspended Microstripline." 1987 MTT-S International Microwave Symposium Digest 87.2 (1987 Vol. II [MWSYM]): 713-715.

Dispersion in an open suspended microstripline is modelled. New frequency-dependent equations for the effective dielectric constant are reported. The equations are derived for four commonly used substrates (namely RT-Duroid, Fused Quartz, Alumina, and Gallium Arsenide) and reproduce the exact fullwave data within ± 2 percent (± 1 percent for most cases).

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