

Abstracts

Tuning and measurements of couplings and resonant frequencies for cascaded resonators

A.E. Atia and Hui-Wen Yao. "Tuning and measurements of couplings and resonant frequencies for cascaded resonators." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1637-1640.

A method for the determination of the individual resonant frequencies and coupling coefficients of a system consisting of cascaded coupled resonators is presented. Measuring or computing the reflection coefficient phase synthesizes all the couplings and resonant frequencies. The method is very effective in tuning, diagnostics, and design of coupled resonator filters.

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