

Abstracts

The Space Spectral Domain Technique Applied to a Finline Configuration

*N. Gupta and M. Singh. "The Space Spectral Domain Technique Applied to a Finline Configuration." 1993 *Microwave and Guided Wave Letters* 3.5 (May 1993 [MGWL]): 125-126.*

The method of space spectral domain, a novel combination of the conventional method of lines and spectral domain approach, is extended to analyze a class of finline resonators. The existing SSDA procedure is simplified using the property of the diagonal matrices, which leads to stability in numerical results with less computational efforts. As an illustration the resonant frequency for the rectangular and triangular finline resonator is computed.

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