

Abstracts

Important Role of Inflection Frequency in the Dispersive Property of Microstrip Lines (Short Papers)

M. Kobayashi. "Important Role of Inflection Frequency in the Dispersive Property of Microstrip Lines (Short Papers)." 1982 Transactions on Microwave Theory and Techniques 30.11 (Nov. 1982 [T-MTT]): 2057-2059.

It is represented that the inflection frequency $f_{\text{sub } i}$, has the important role in the dispersive property of microstrip lines. This $f_{\text{sub } i}$ is related to the coupling between the TEM mode and the TM₀ mode. Using $f_{\text{sub } i}$, an approximate dispersion formula is derived by improving Schneider's formula. The results obtained by the present formula are compared with the other available results; good agreement is seen.

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