

# Abstracts

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

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*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  $\text{TM}_{\text{sub } 0}$  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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