

Abstracts

Application of Dielectric Resonators in Microwave Components

J.K. Plourde and C.-L. Ren. "Application of Dielectric Resonators in Microwave Components." 1981 Transactions on Microwave Theory and Techniques 29.8 (Aug. 1981 [T-MTT]): 754-770.

Dielectric resonators are being used in microwave filters and oscillators now that high-dielectric-constant, high-Q, temperature-stable ceramics have been developed. This paper reviews dielectric resonators with emphasis on applications, contains tutorial material, describes new 2-, 4-, and 6-GHz bandpass filters, and presents several examples of oscillator applications. A complete bibliography to English language publications on dielectric resonators is included.

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