

Abstracts

The Complex Permittivity of Some Cork Composition Materials from 10 to 10,000 MHz (Correspondence)

W. Ruegeberg. "The Complex Permittivity of Some Cork Composition Materials from 10 to 10,000 MHz (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 16.1 (Jan. 1968 [T-MTT]): 55-57.

The electrical characteristics of two cork composition grades have been evaluated at room temperature from 10 to 10 000 MHz through measurement of dielectric constant and loss tangent at appropriately spaced frequency intervals. The dispersive behavior of dielectric constant for both materials is accompanied by a typical rise of loss tangent, occurring in this investigation in the vicinity of 200 MHz. The experimental results are presented as continuous functions of frequency, and they reveal clearly the electrical behavior of the test materials over the specified range of frequencies.

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