

Abstracts

Relative Humidity Effects in Microwave Resonators (Correspondence)

D.M. Smith. "Relative Humidity Effects in Microwave Resonators (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.8 (Aug. 1967 [T-MTT]): 480-482.

Several factors affect the frequency stability of microwave resonators. One important factor is the stability of the dielectric medium which fills the resonator. It is the purpose of this correspondence to analyze the effect of the change in dielectric constant upon the resonant frequency of a sealed, air-filled resonator.

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