

Abstracts

Temperature Dependence of Composite Coaxial Resonators (Correspondence)

L.C. Gunderson. "Temperature Dependence of Composite Coaxial Resonators (Correspondence)." 1967 Transactions on Microwave Theory and Techniques 15.2 (Feb. 1967 [T-MTT]): 124-127.

Under certain circumstances, it is necessary to construct a composite coaxial resonator using inner and outer conductors having different thermal expansion coefficients. This may be required for mechanical reasons or as a means of adjusting the resonator temperature stability. This correspondence describes an analysis of such a resonator as well as some experimental results.

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