

Abstracts

Incremental Frequency Rule for Computing the Q-Factor of a Shielded TE/sub₀₁₀ Resonator (Short Papers)

D. Kajfez. "Incremental Frequency Rule for Computing the Q-Factor of a Shielded TE/sub₀₁₀ Resonator (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.8 (Aug. 1984 [T-MTT] (Special Issue on Electromagnetic-Wave Interactions with Biological Systems)): 941-943.

The principle of Wheeler's incremental inductance rule is applied to the TE/sub₀₁₀ cylindrical resonator within a metal enclosure. The procedure permits one to compute the conductor losses solely from the decrease in resonant frequency when the metal walls are receded for one skin depth.

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