

Abstracts

Loaded Q of a Waveguide Cavity Resonator (Comments)

R.M. Kurzrok. "Loaded Q of a Waveguide Cavity Resonator (Comments)." 1967 Transactions on Microwave Theory and Techniques 15.3 (Mar. 1967 [T-MTT]): 192-193.

Several equations relating the doubly loaded Q of a lossless waveguide cavity resonator to the normalized susceptance of the input/output inductive coupling obstacles (i.e., posts or irises) have appeared in the literature. These equations employ transcendental functions that are not convenient for many design calculations. In this correspondence, an approximate equation will be presented that does not employ transcendental functions and gives reasonably accurate results for most practical cases.

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