

Abstracts

Theory and Measurement of Q in Resonant Ring Circuits

H. Golde. "Theory and Measurement of Q in Resonant Ring Circuits." 1960 Transactions on Microwave Theory and Techniques 8.5 (Sep. 1960 [T-MTT]): 560-564.

The loaded and unloaded Q of a resonant ring circuit are derived on the basis of the fundamental definition. Simple experiments are described to measure $Q_{\text{sub } 0}$, $Q_{\text{sub } L}$, and the ring power gain without additional coupling to the ring. A number of graphs are given which are useful for these measurements.

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