

Accurate Measurement of Q-Factors of Isolated Dielectric Resonators

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In this paper, a set-up used to accurately measure the resonant frequencies and Q-factors of isolated dielectric resonators is described. The measured resonant frequencies and Q-factors of first five lowest order modes of two cylindrical dielectric resonators of relative permittivity 38.0 and 79.7 respectively are reported. The measured values are compared with those of rigorous numerical methods available in the literature.

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