

# Abstracts

## Determination of Dual-Mode Q Factors from Measured Data

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*W.P. Wheless, Jr. and D. Kajfez. "Determination of Dual-Mode Q Factors from Measured Data." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 375-378.*

An iterative least estimation procedure is squares parameter applied to large sets of measured data, obtained with the aid of a vector network analyzer, to determine the unloaded Q factors of two resonant modes in near frequency proximity. The procedure is capable of analyzing the data of very closely spaced dual resonances, such as typically occur in dual-mode filters utilizing degenerate hybrid modes in dielectric resonators.

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