

# Abstracts

## Accurate broadband characterization of transmission lines

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*Y.C. Shih and K.S. Kong. "Accurate broadband characterization of transmission lines." 1998 MTT-S International Microwave Symposium Digest 98.2 (1998 Vol. II [MWSYM]): 933-936.*

This paper reports a sensitivity analysis of the transmission-line parameters versus the measured S-parameters of a single line element. The results lead to a simple procedure to (1) extract the small parasitic capacitance or inductance of discontinuities, (2) obtain accurate, broadband characteristic impedance of the transmission line, and (3) estimate error bounds of the measured line parameters.

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